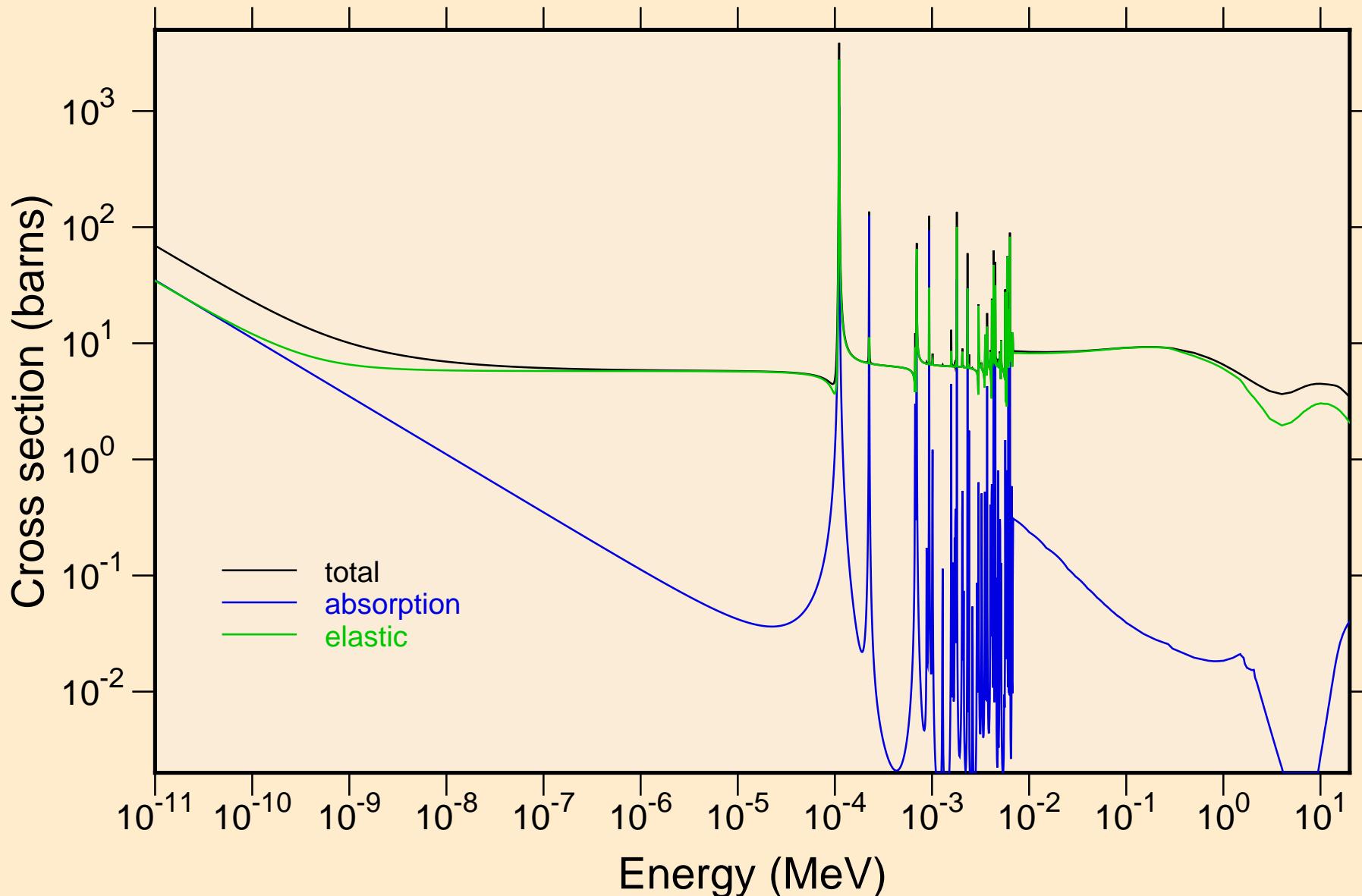
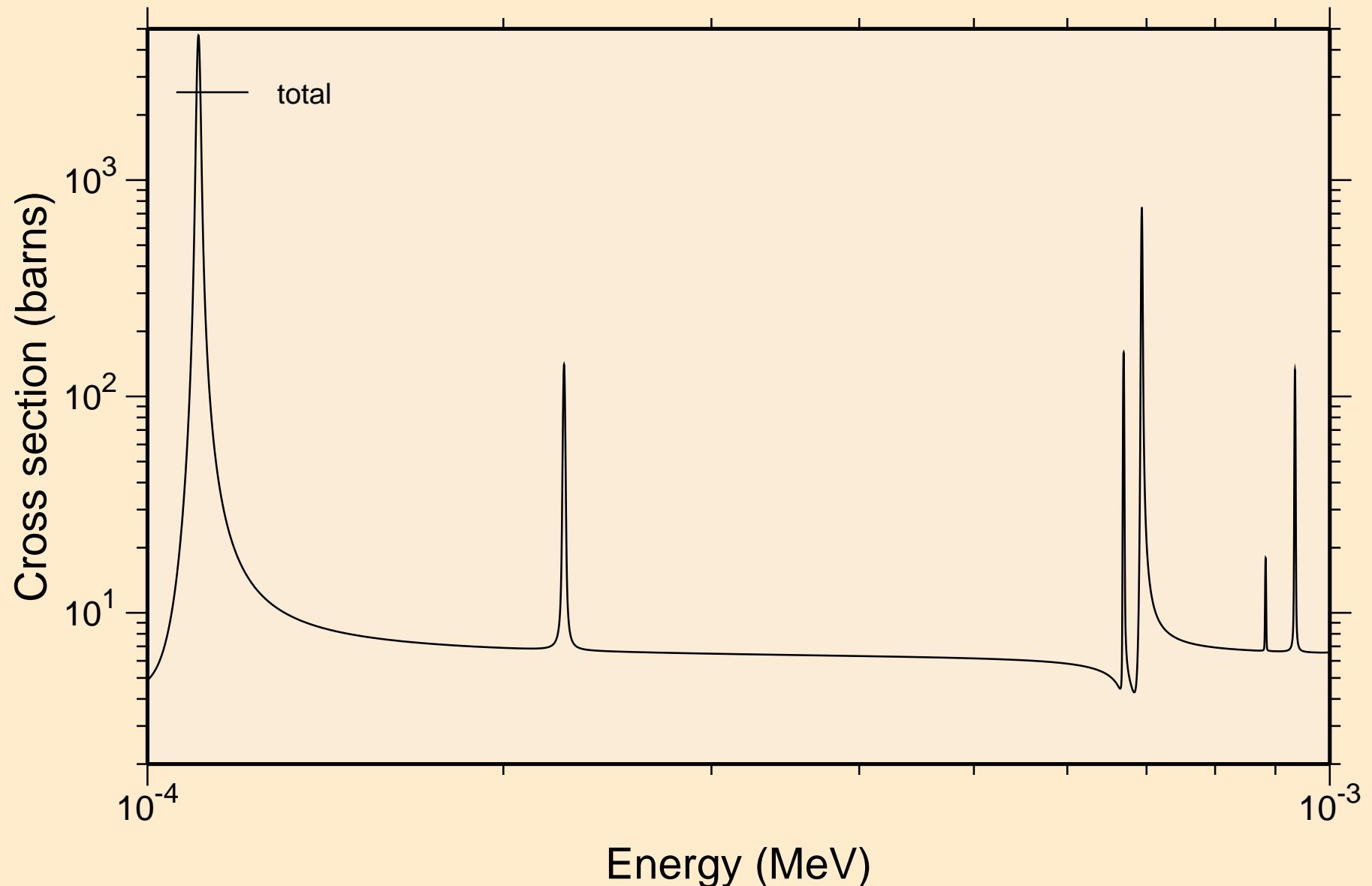


# ENDF/B-VII ZR-93

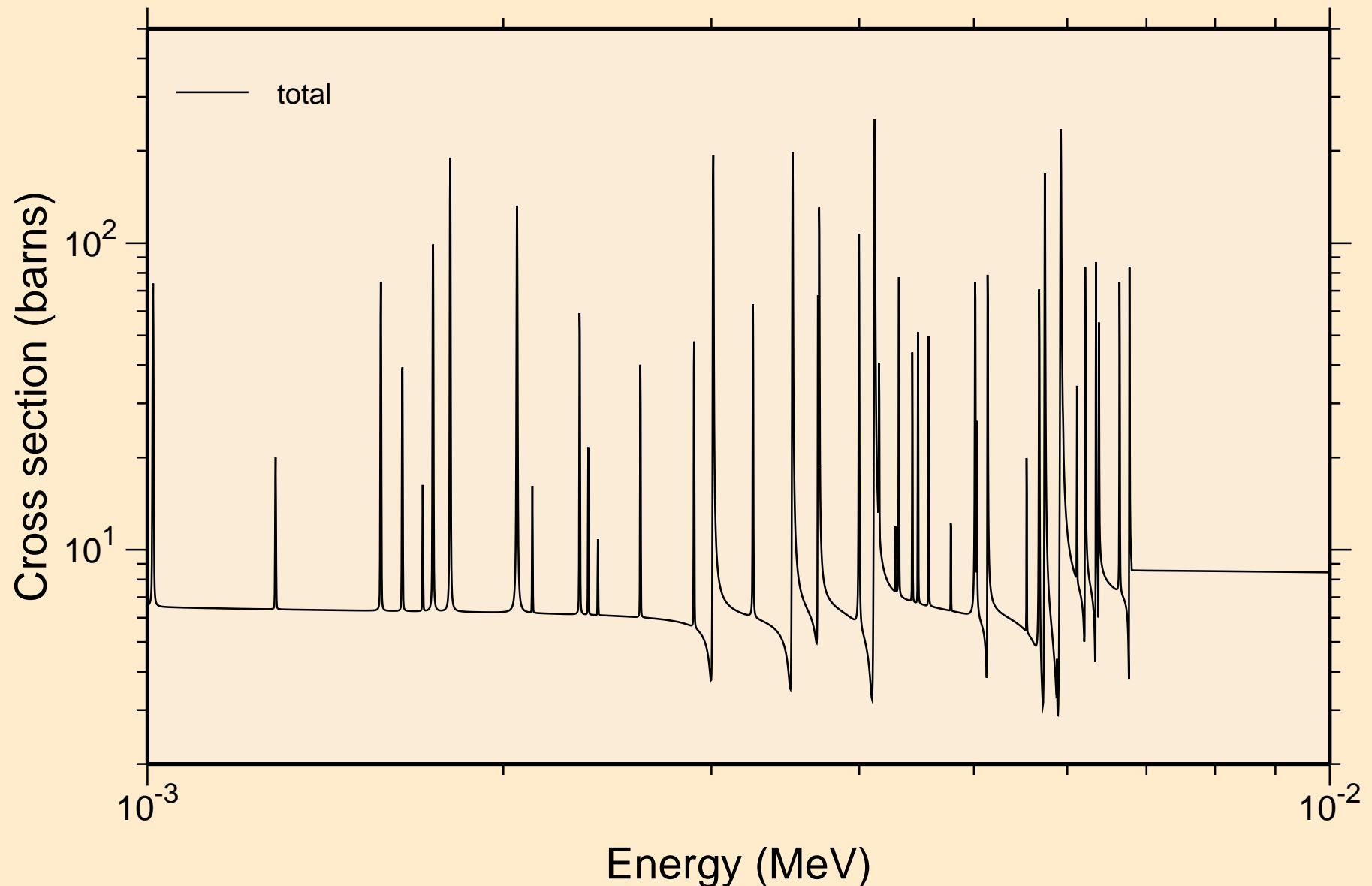
## Principal cross sections



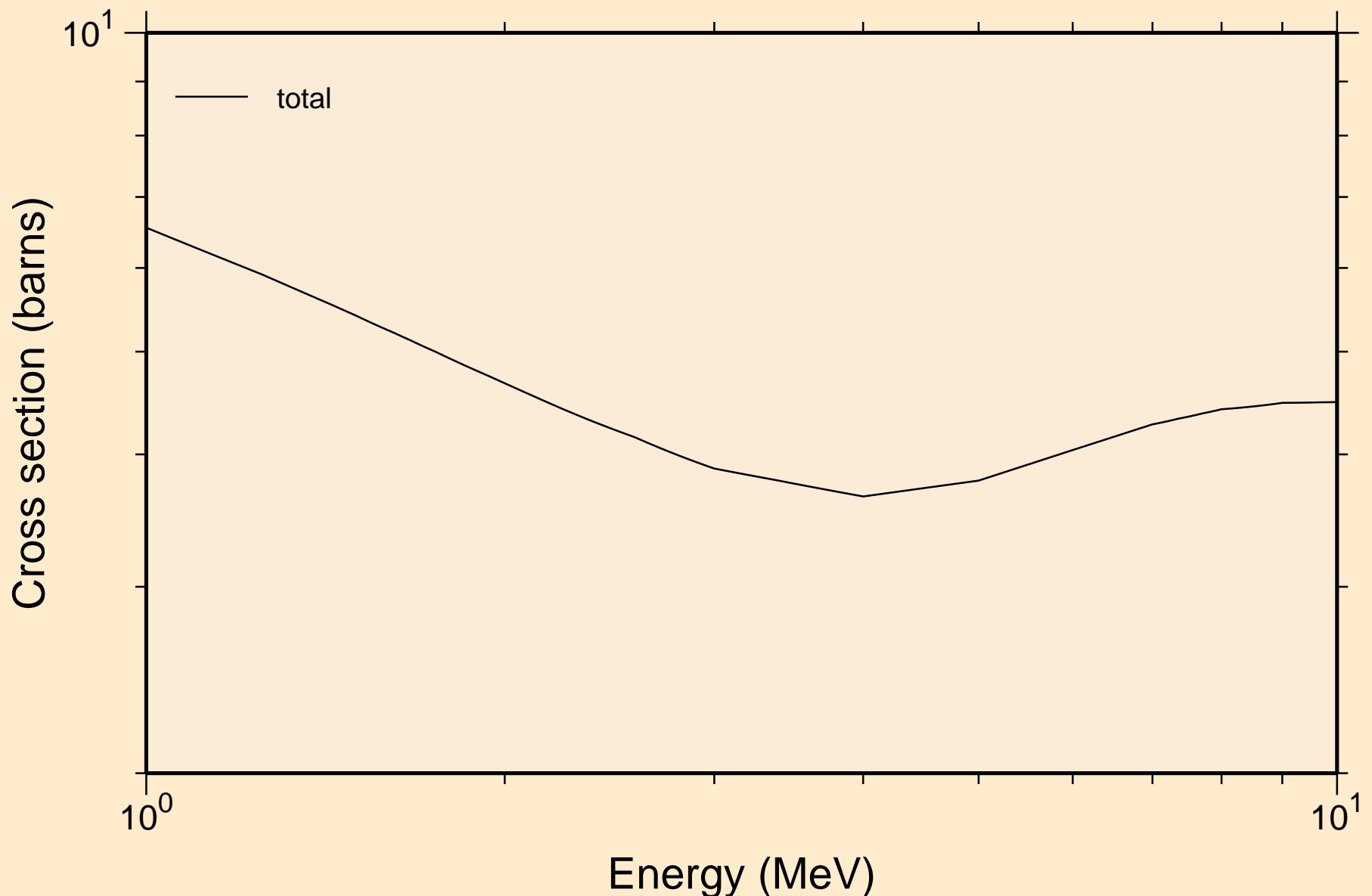
ENDF/B-VII ZR-93  
resonance total cross section



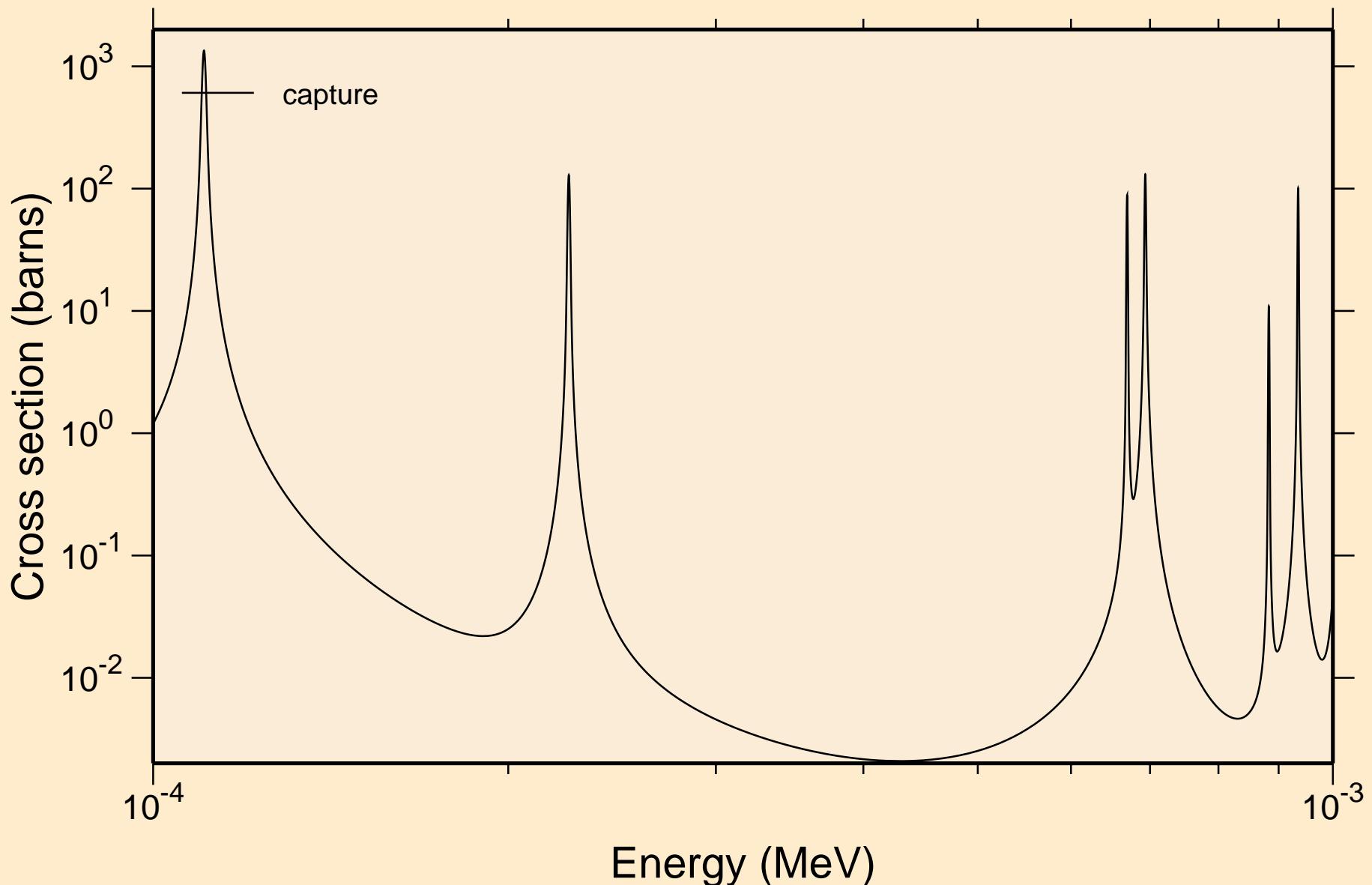
ENDF/B-VII ZR-93  
resonance total cross section



ENDF/B-VII ZR-93  
resonance total cross section

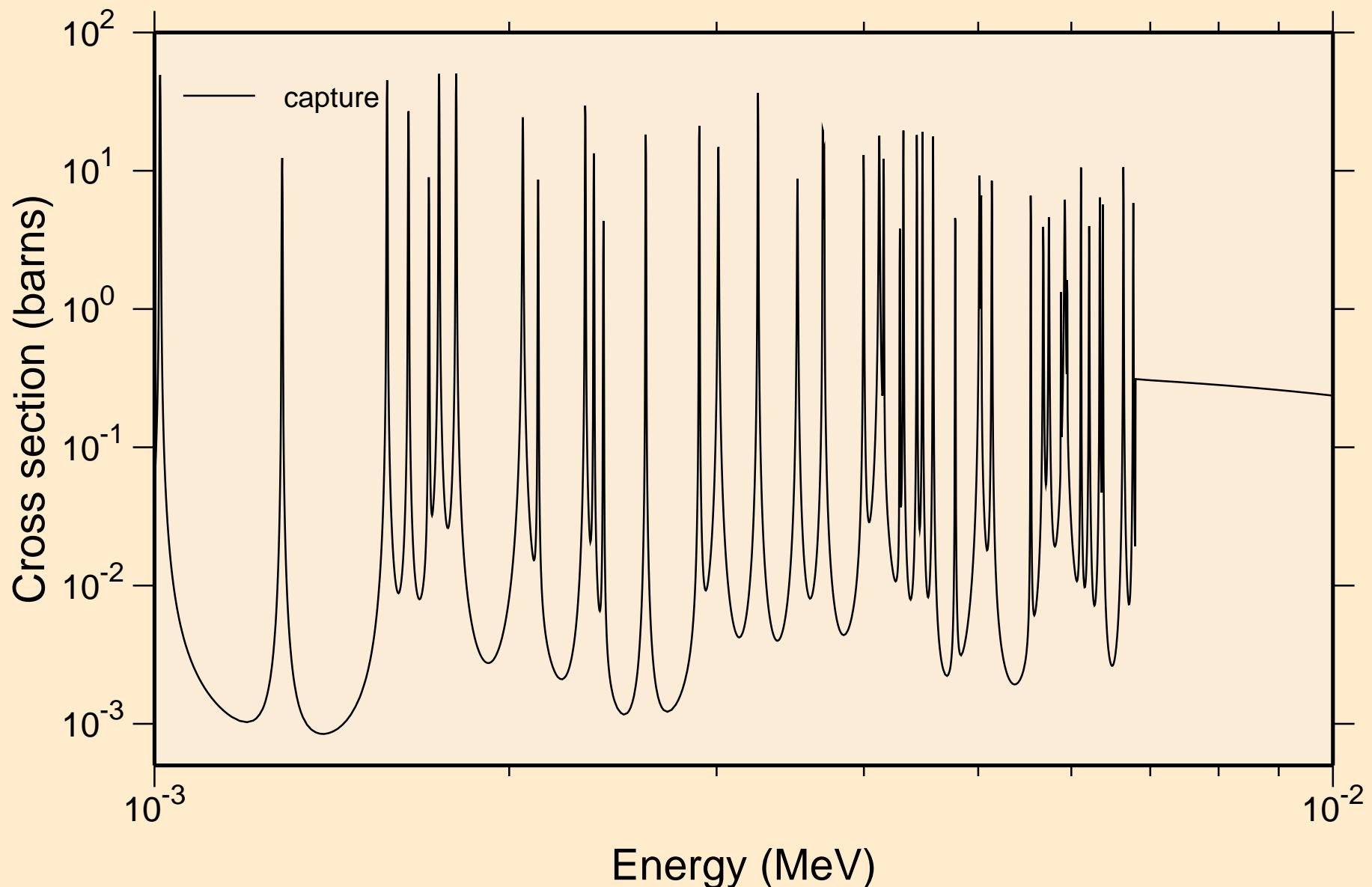


ENDF/B-VII ZR-93  
resonance absorption cross sections

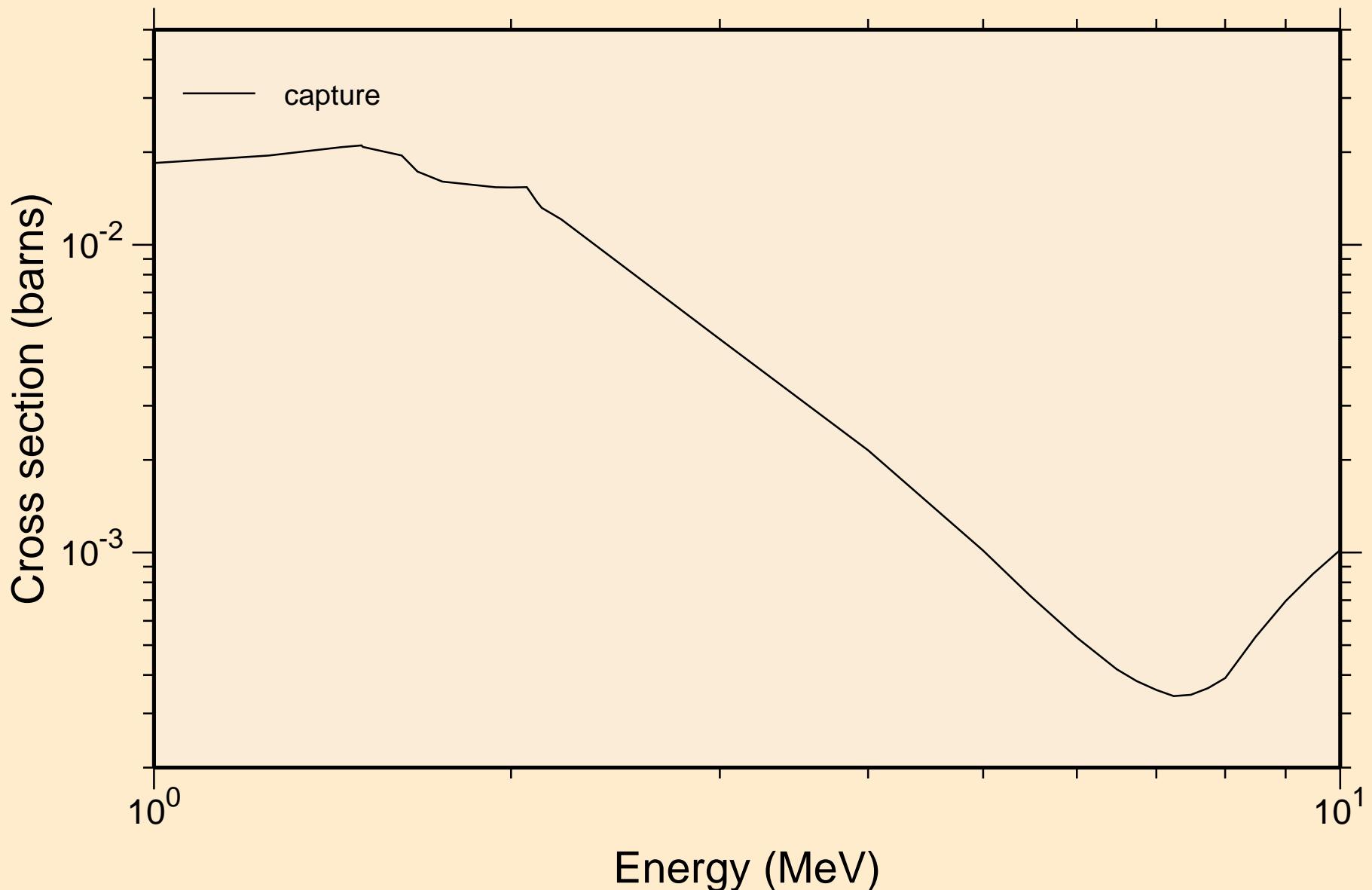


# ENDF/B-VII ZR-93

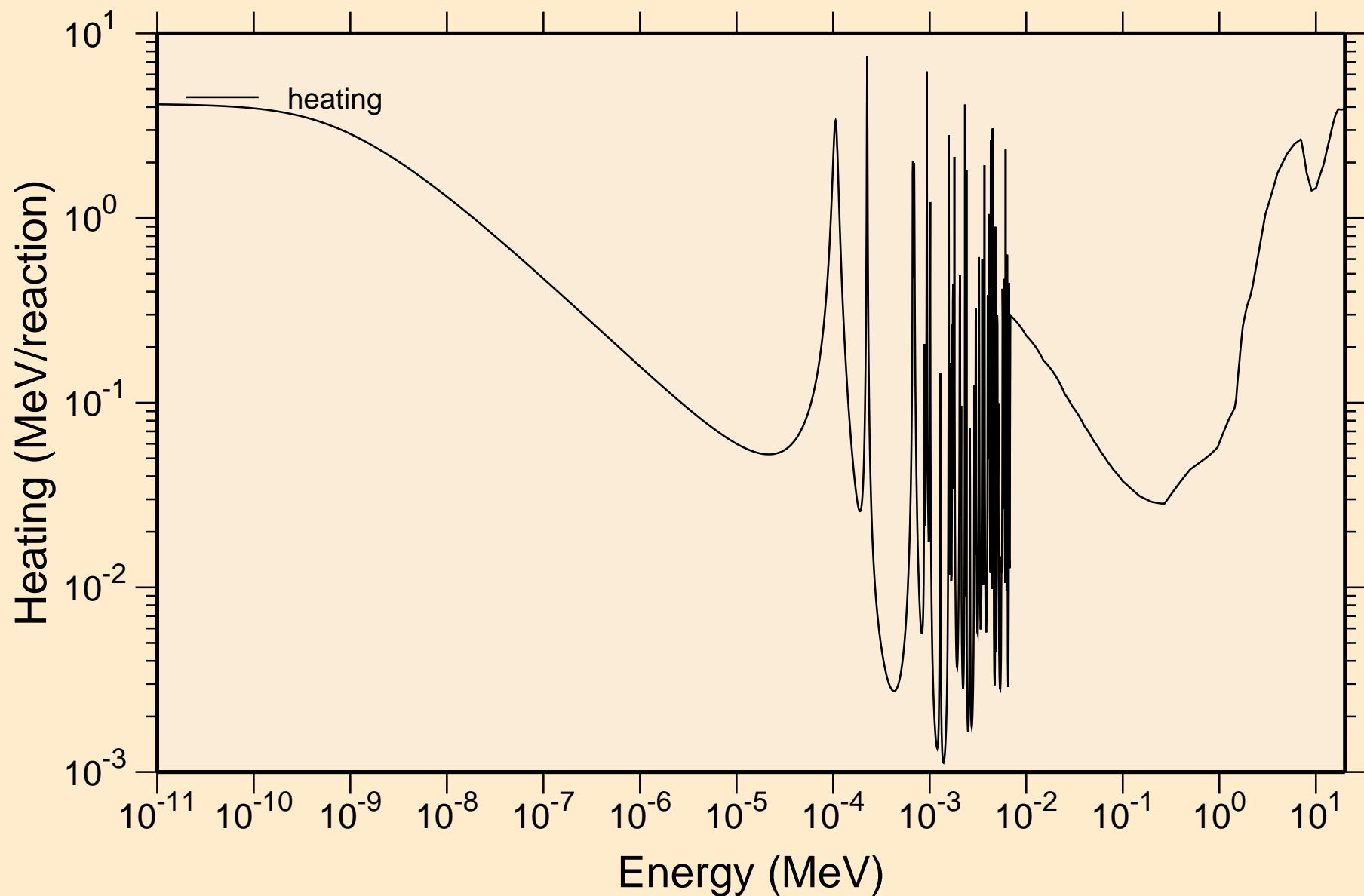
## resonance absorption cross sections



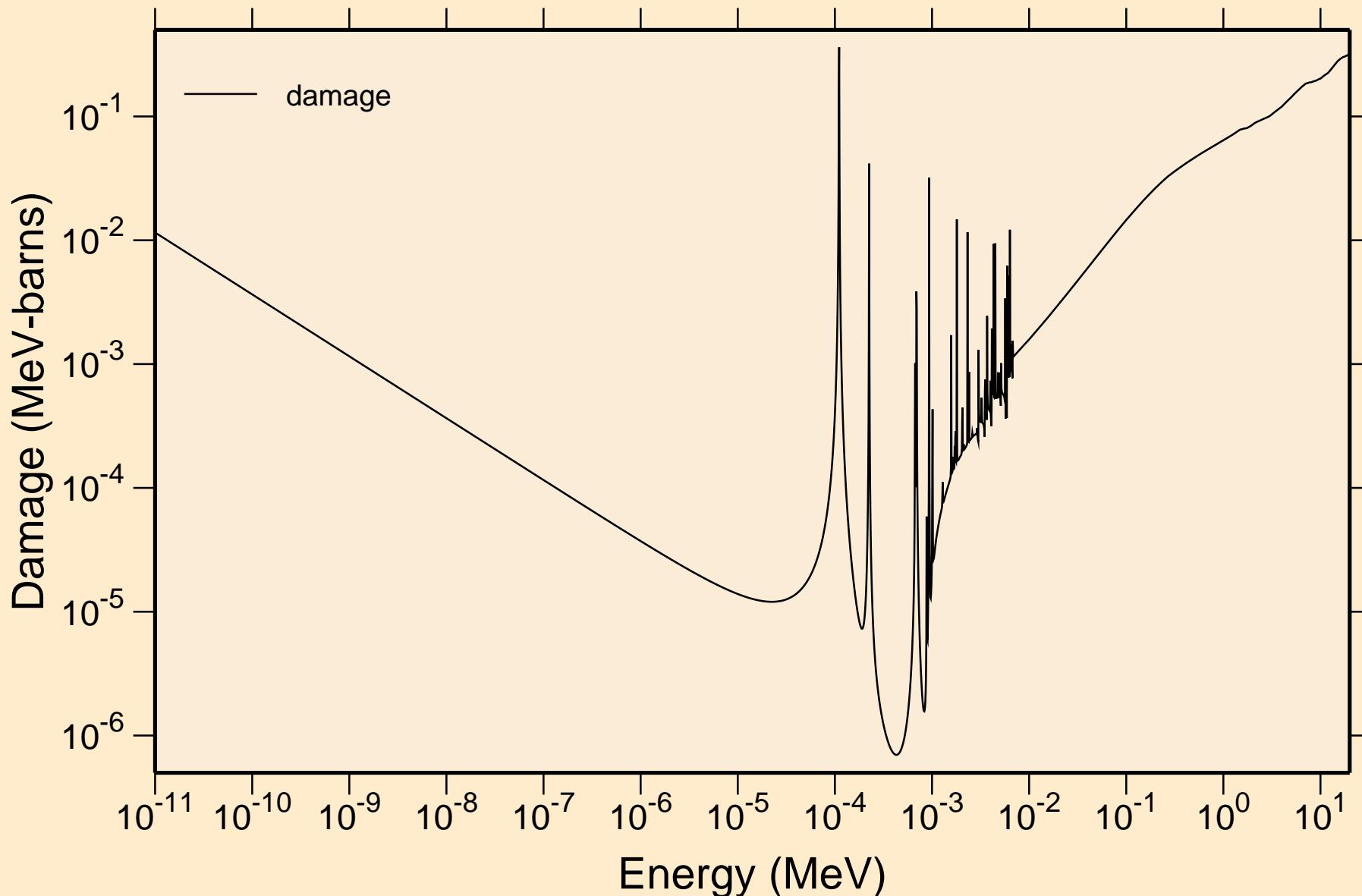
ENDF/B-VII ZR-93  
resonance absorption cross sections



ENDF/B-VII ZR-93  
Heating

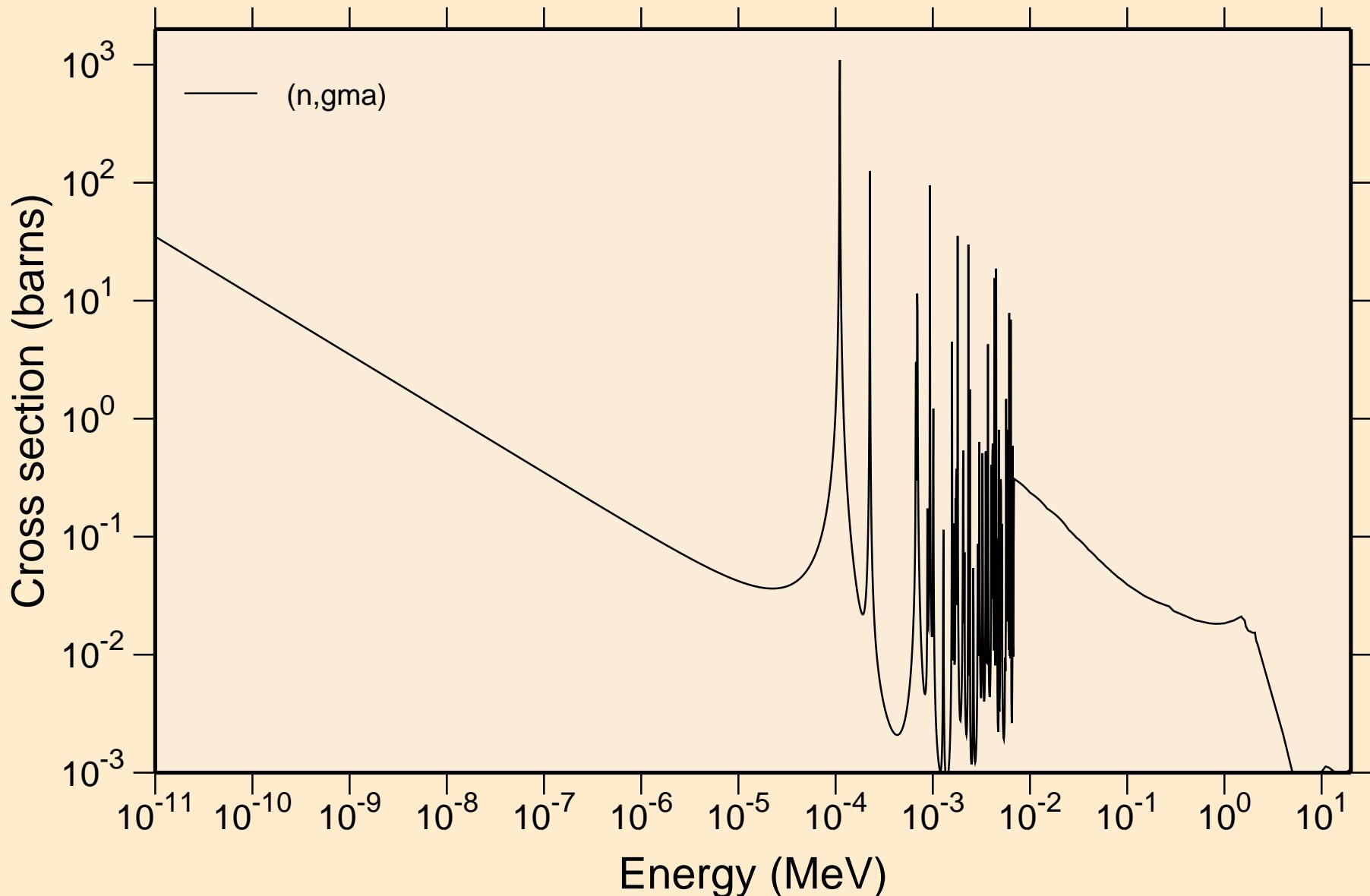


ENDF/B-VII ZR-93  
Damage



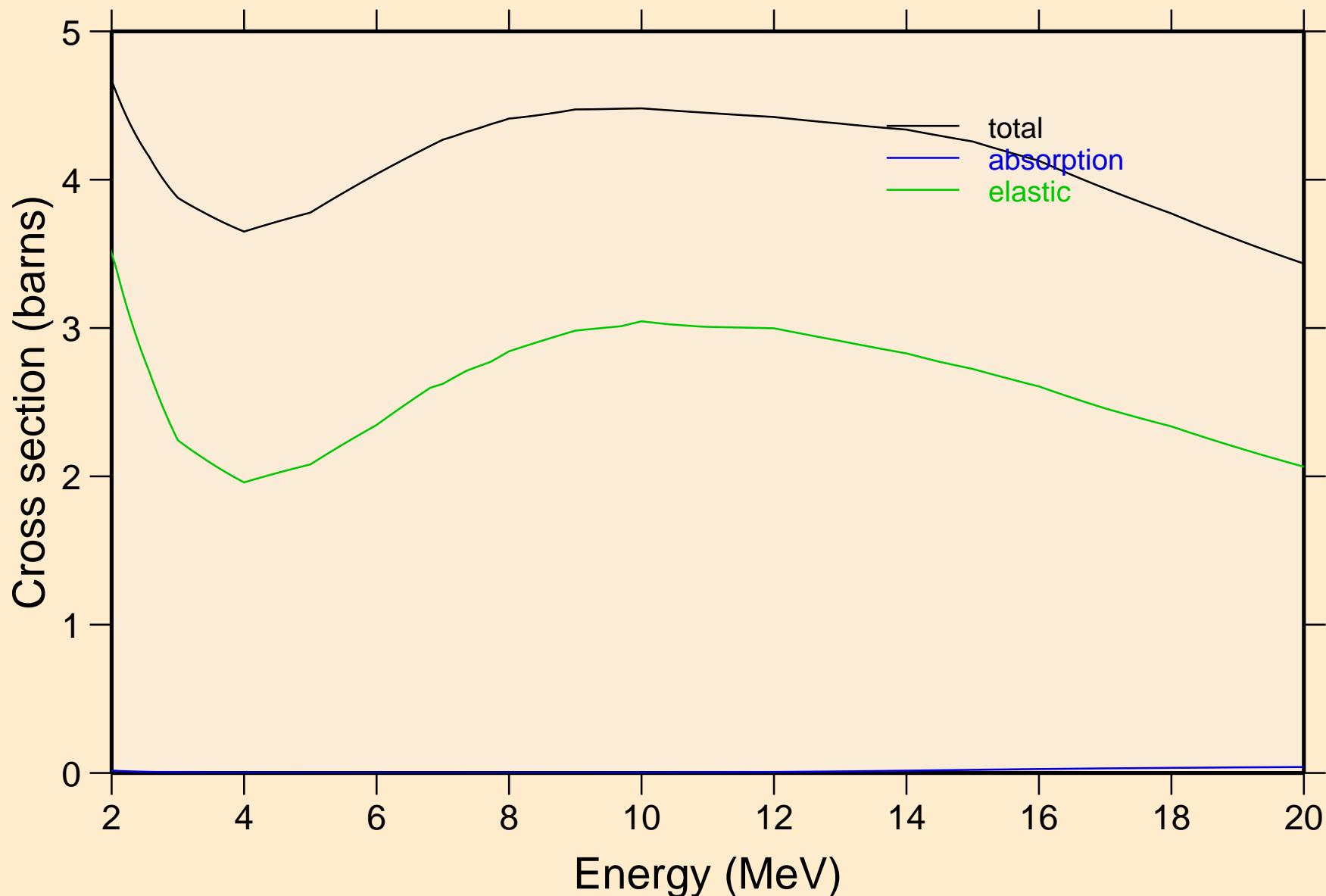
# ENDF/B-VII ZR-93

## Non-threshold reactions

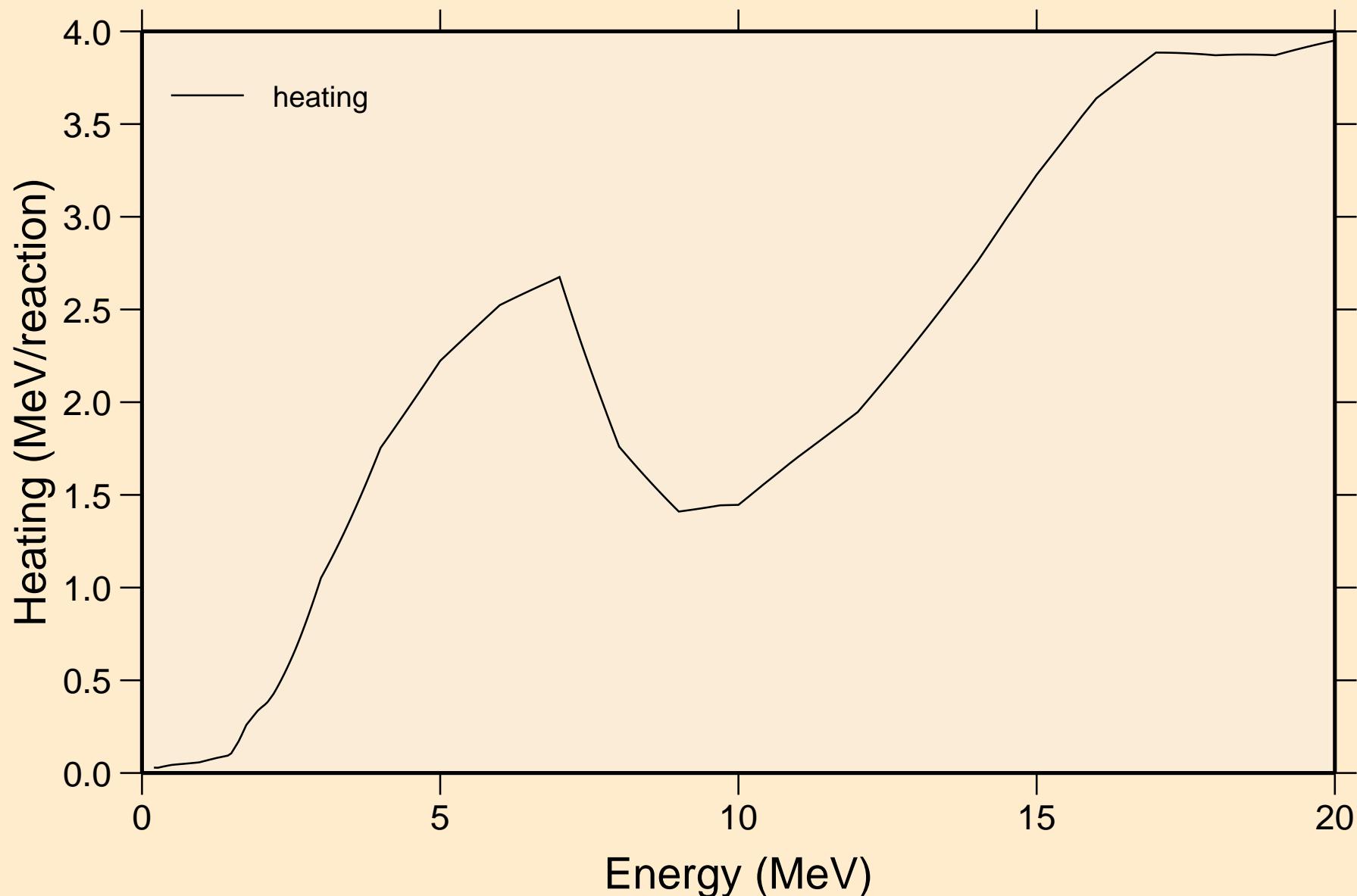


# ENDF/B-VII ZR-93

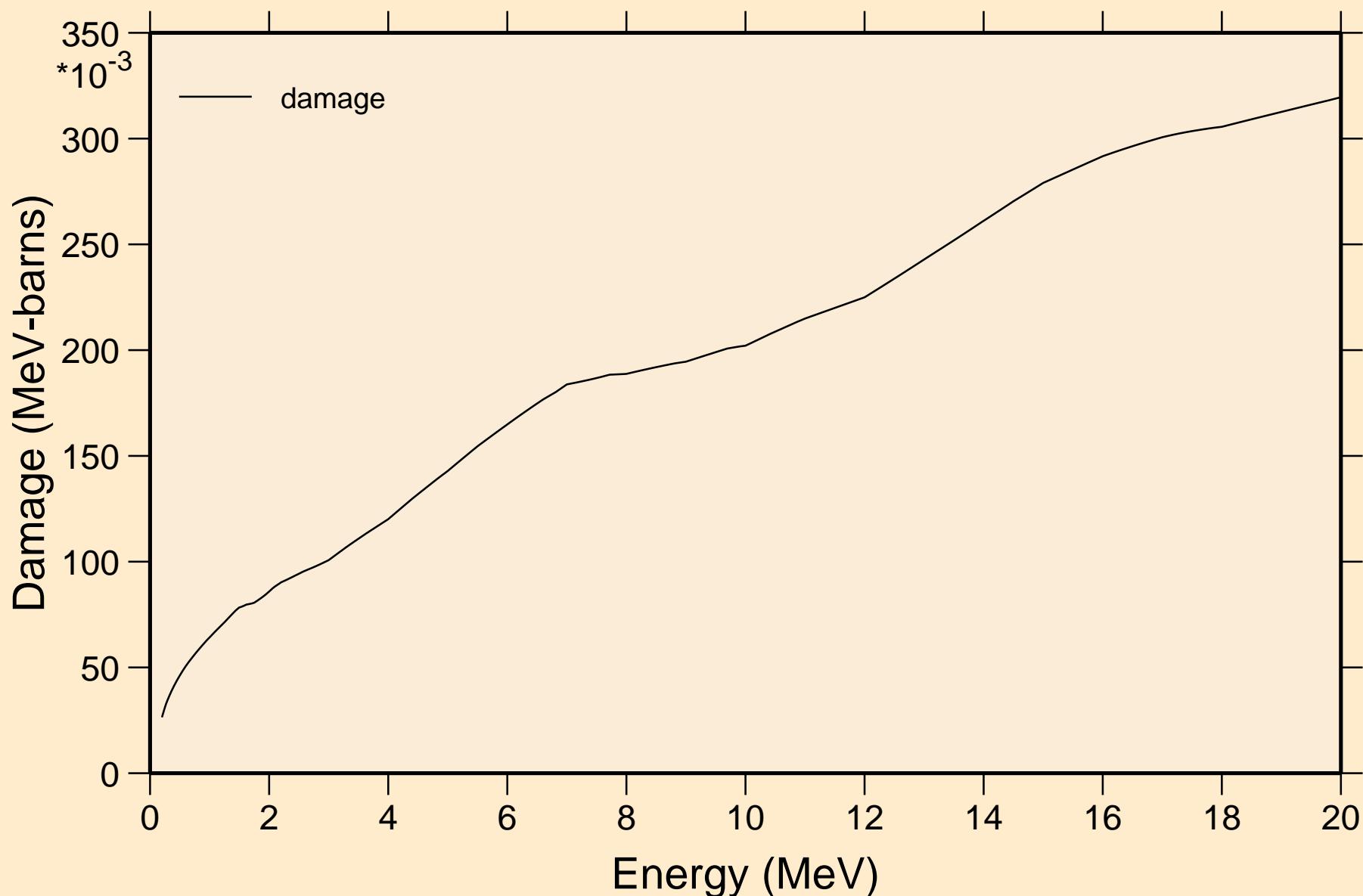
## Principal cross sections



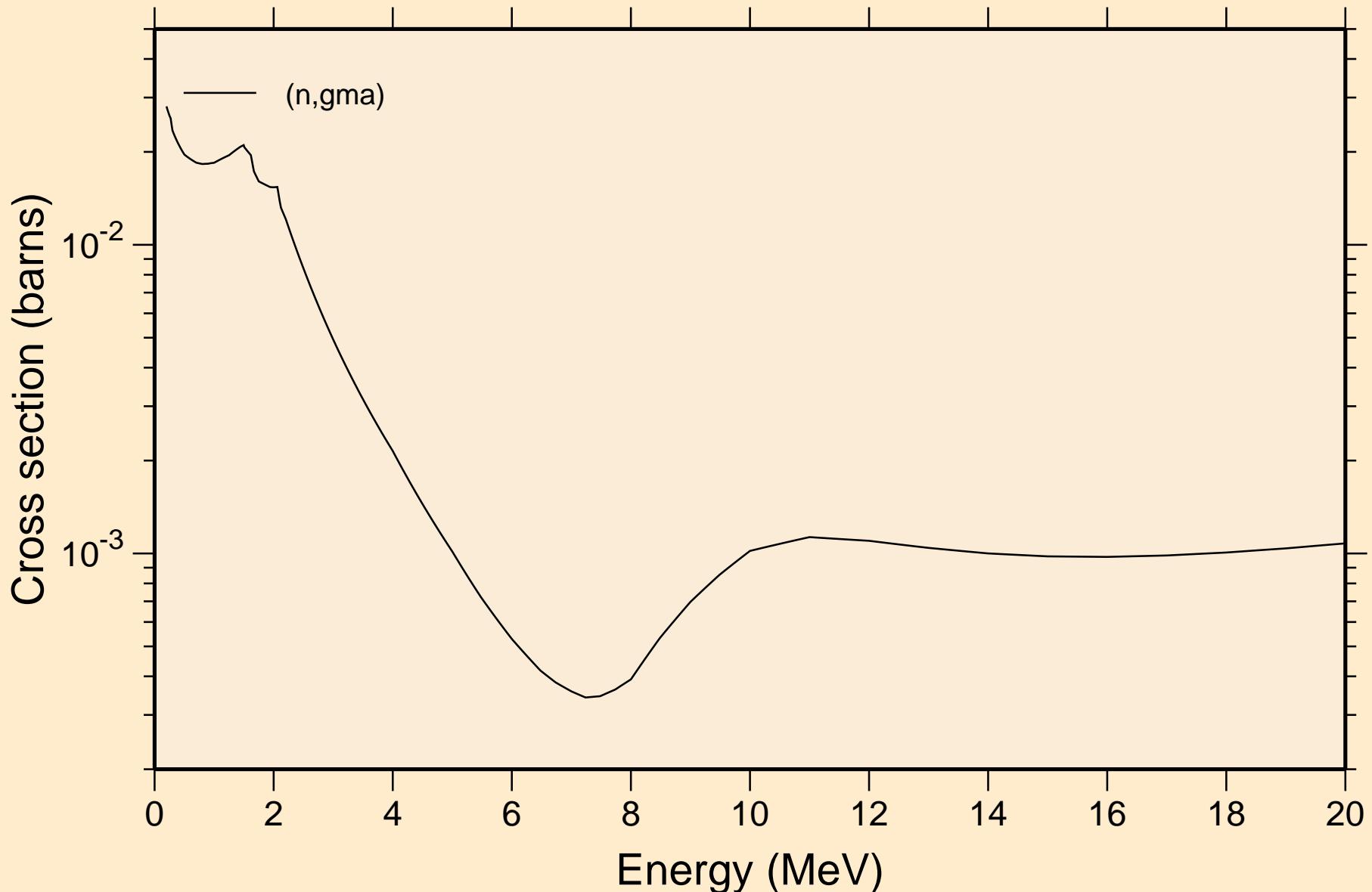
ENDF/B-VII ZR-93  
Heating



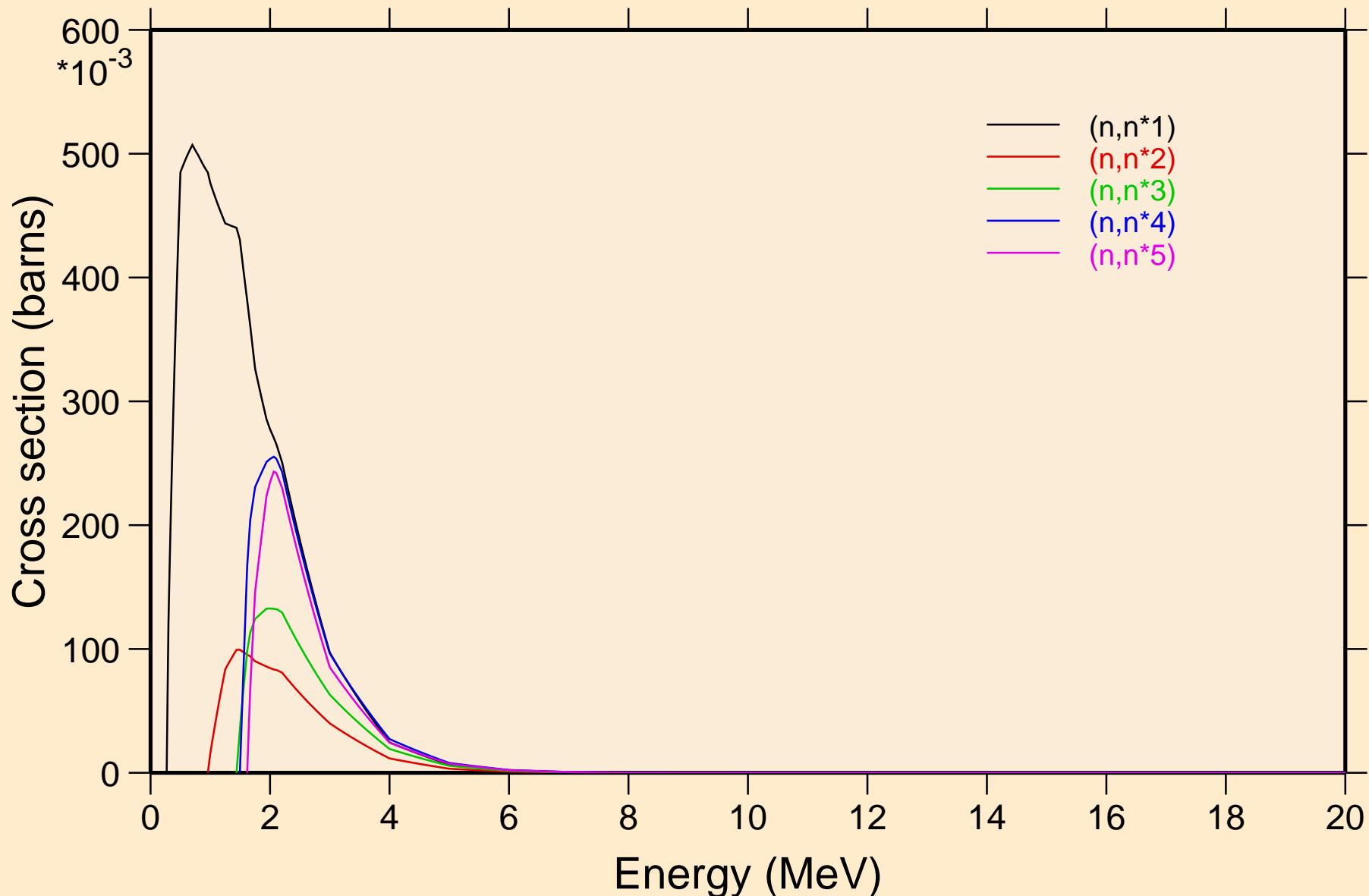
ENDF/B-VII ZR-93  
Damage



ENDF/B-VII ZR-93  
Non-threshold reactions

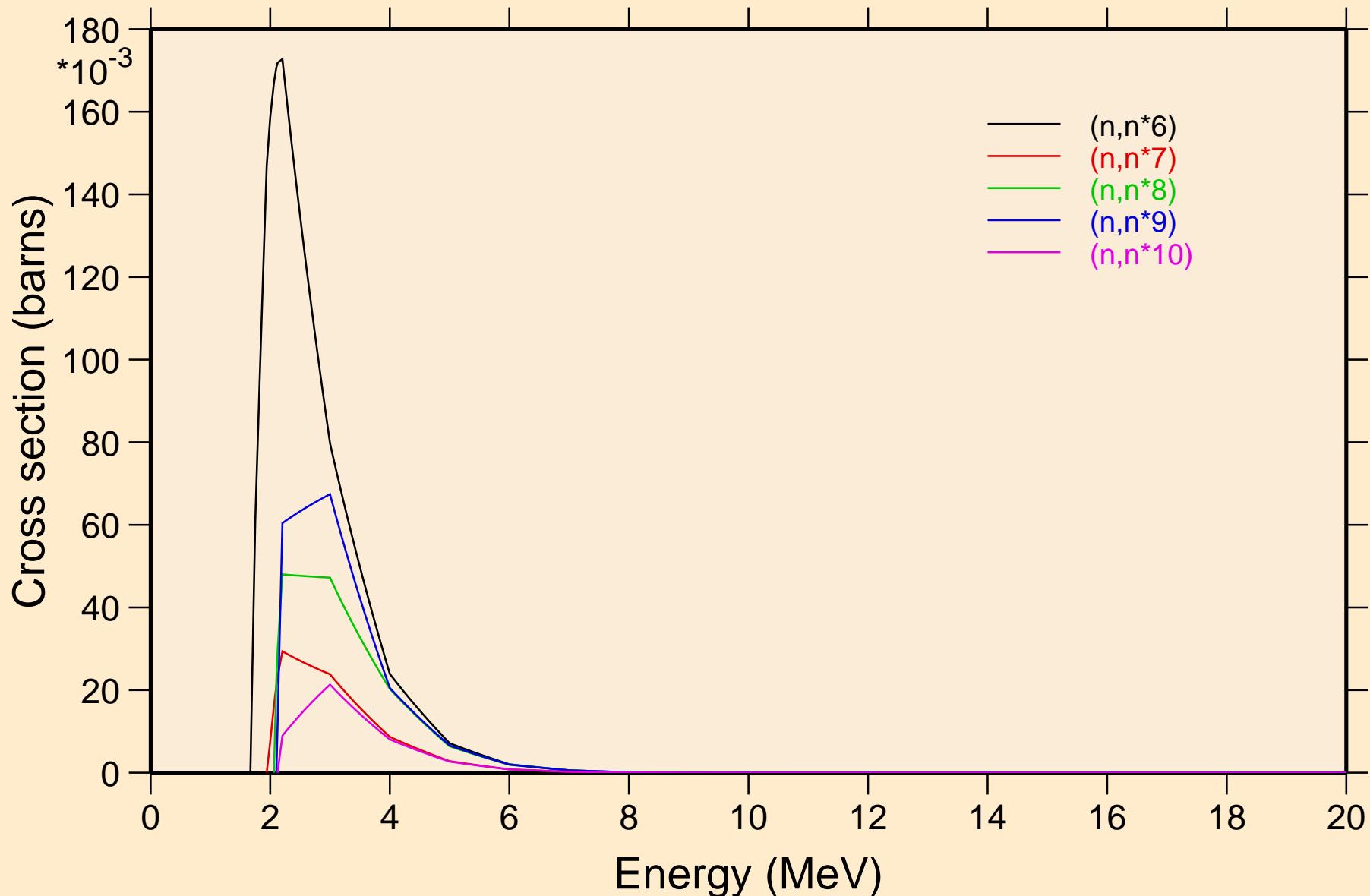


ENDF/B-VII ZR-93  
Inelastic levels



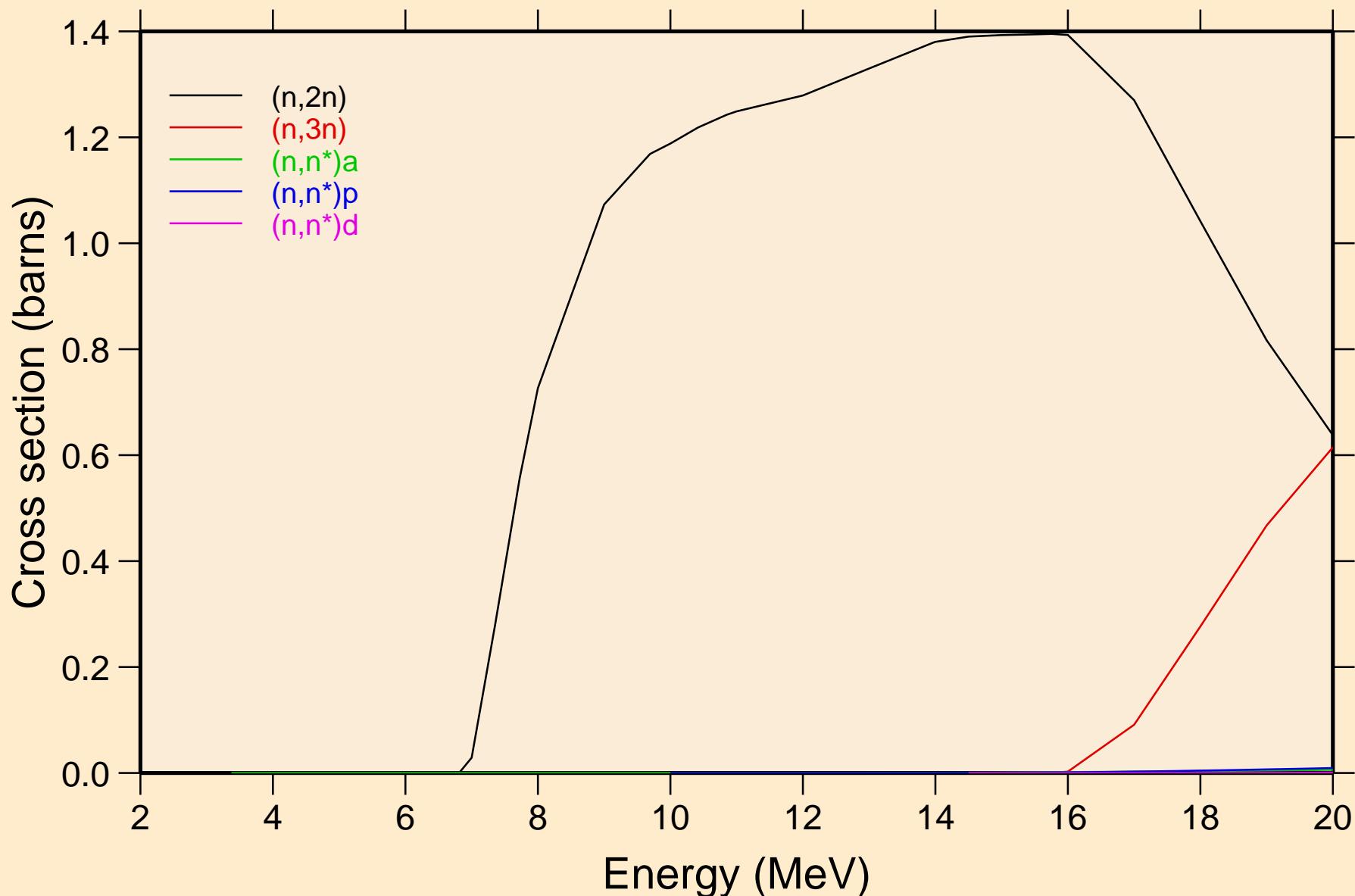
# ENDF/B-VII ZR-93

## Inelastic levels



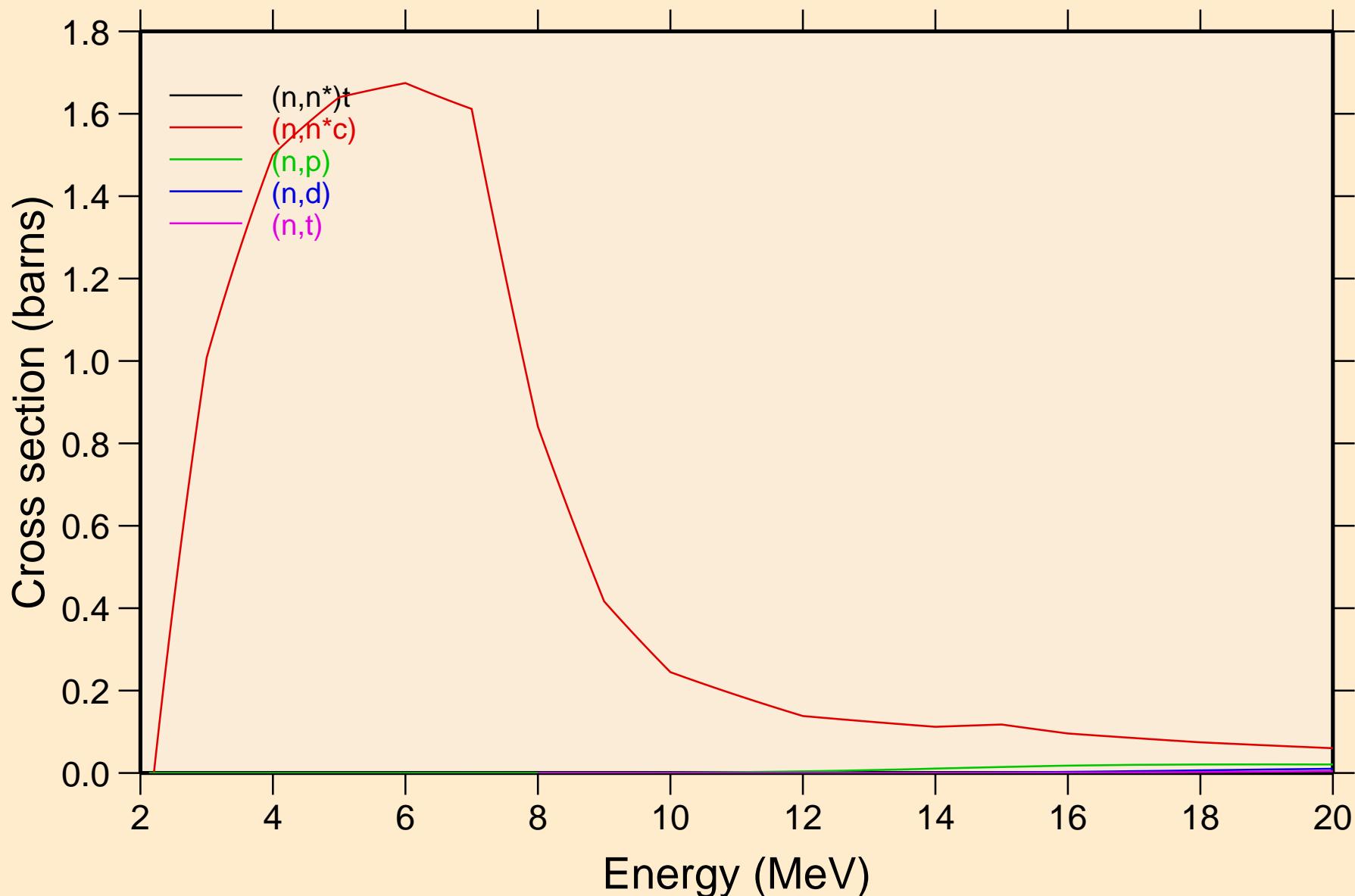
# ENDF/B-VII ZR-93

## Threshold reactions

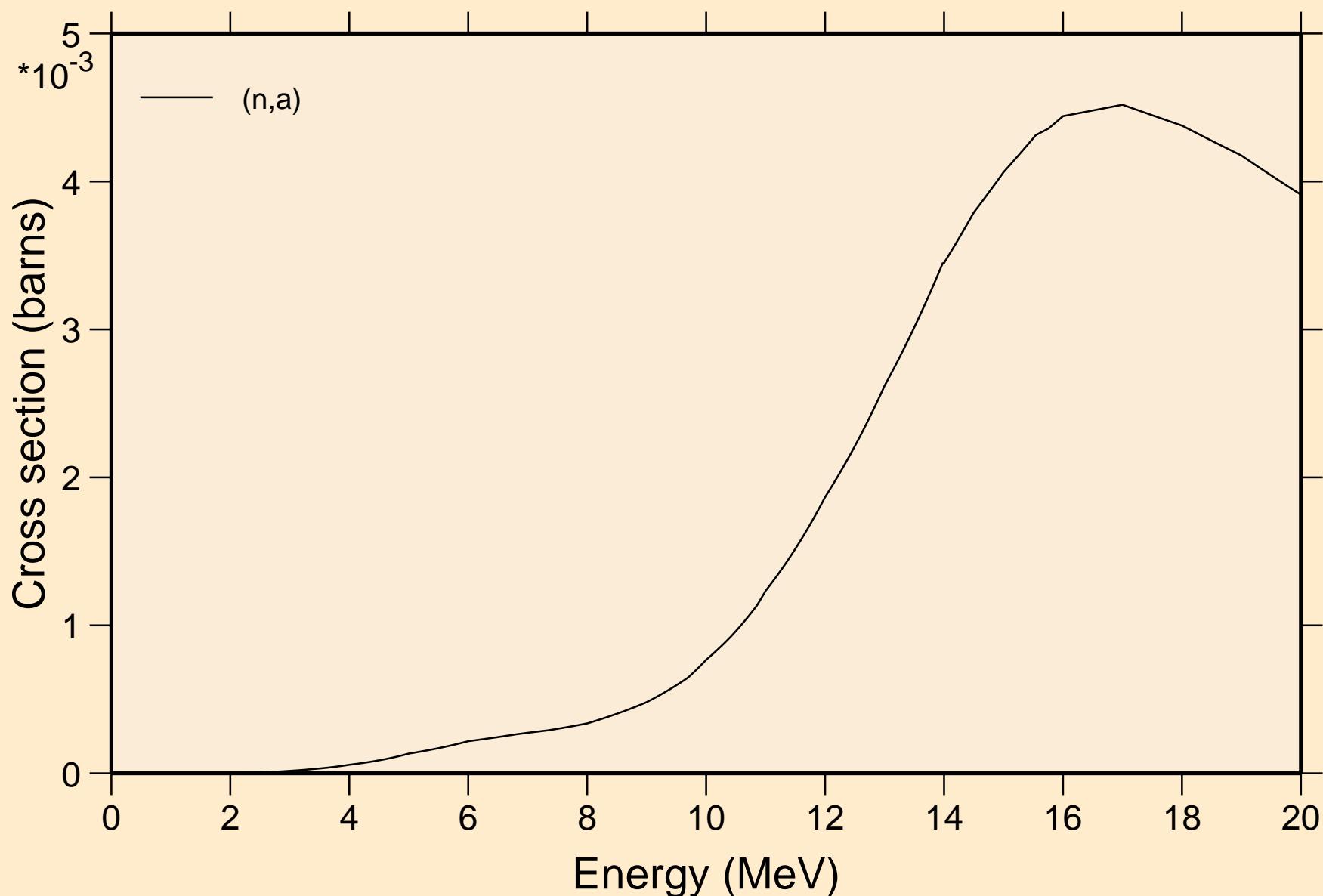


# ENDF/B-VII ZR-93

## Threshold reactions

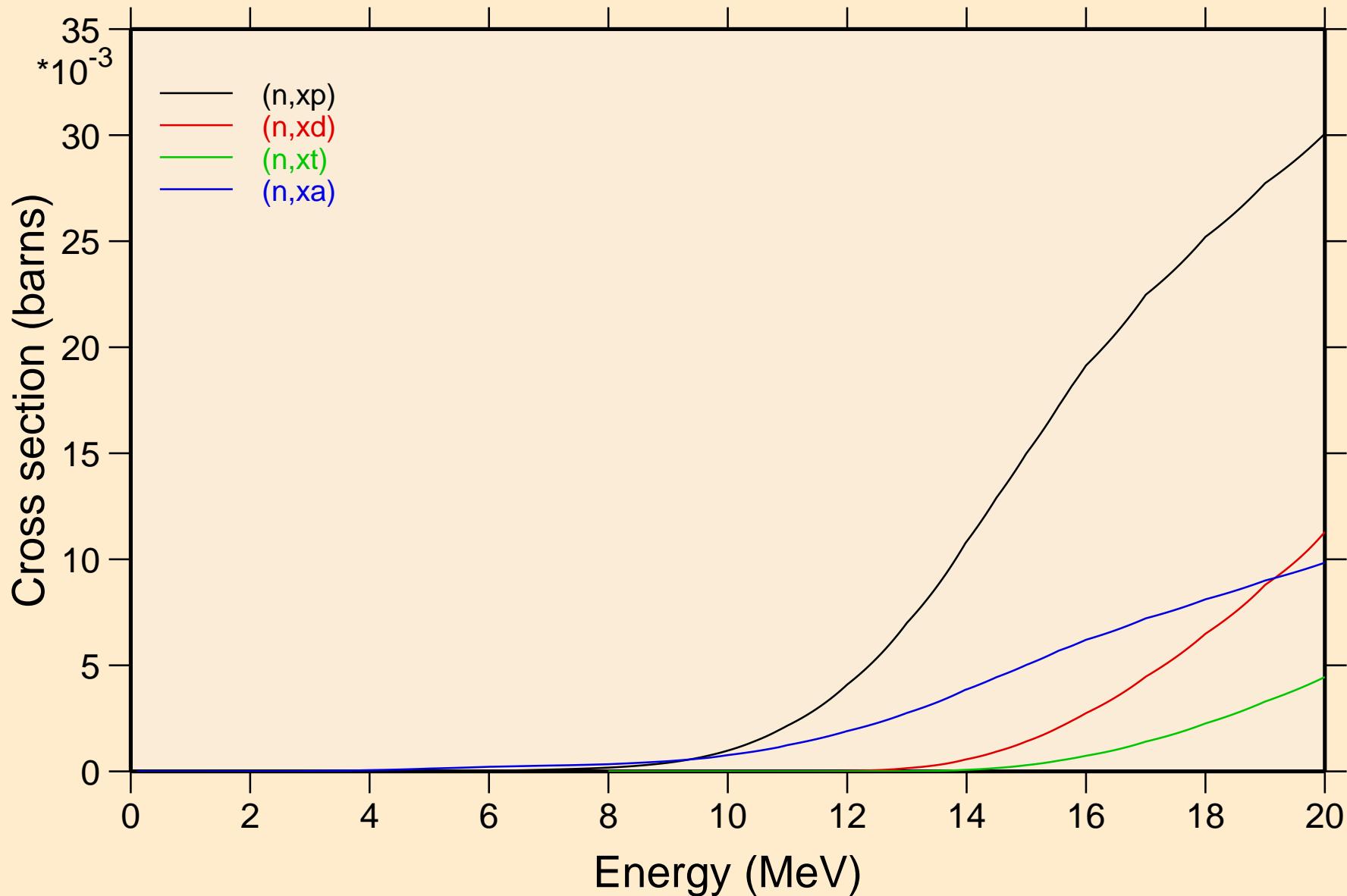


ENDF/B-VII ZR-93  
Threshold reactions



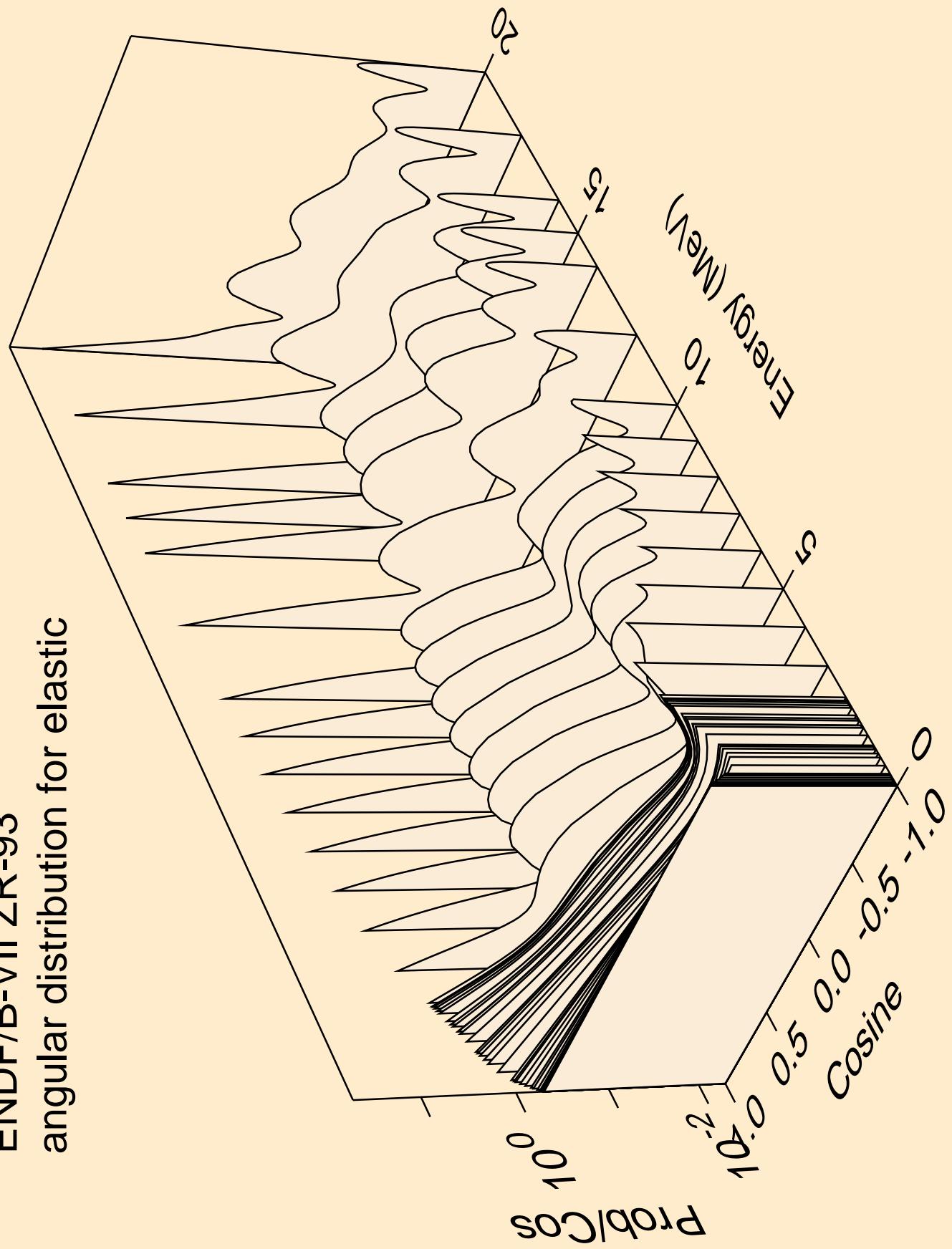
# ENDF/B-VII ZR-93

## Threshold reactions

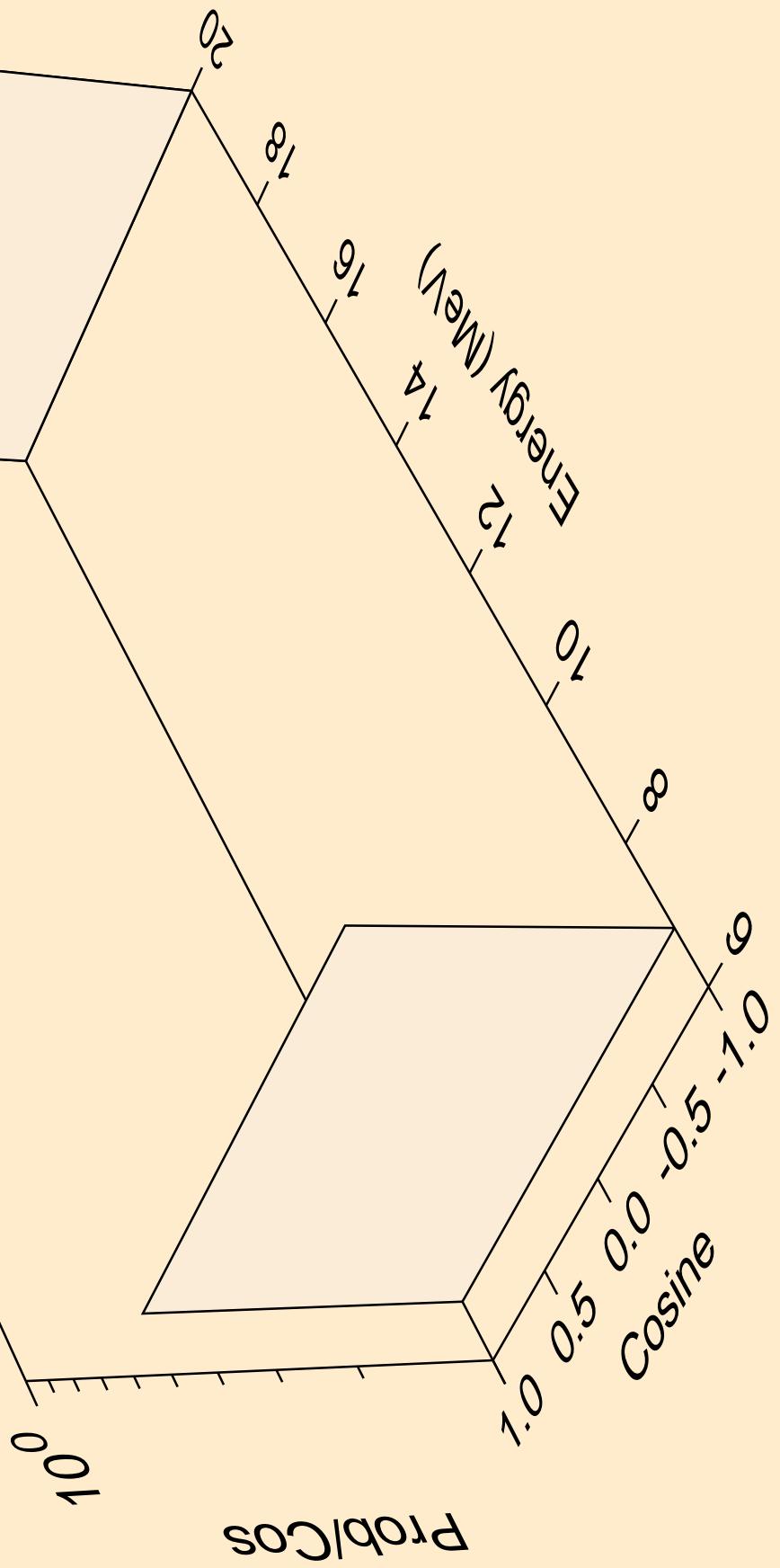


ENDF/B-VII ZR-93

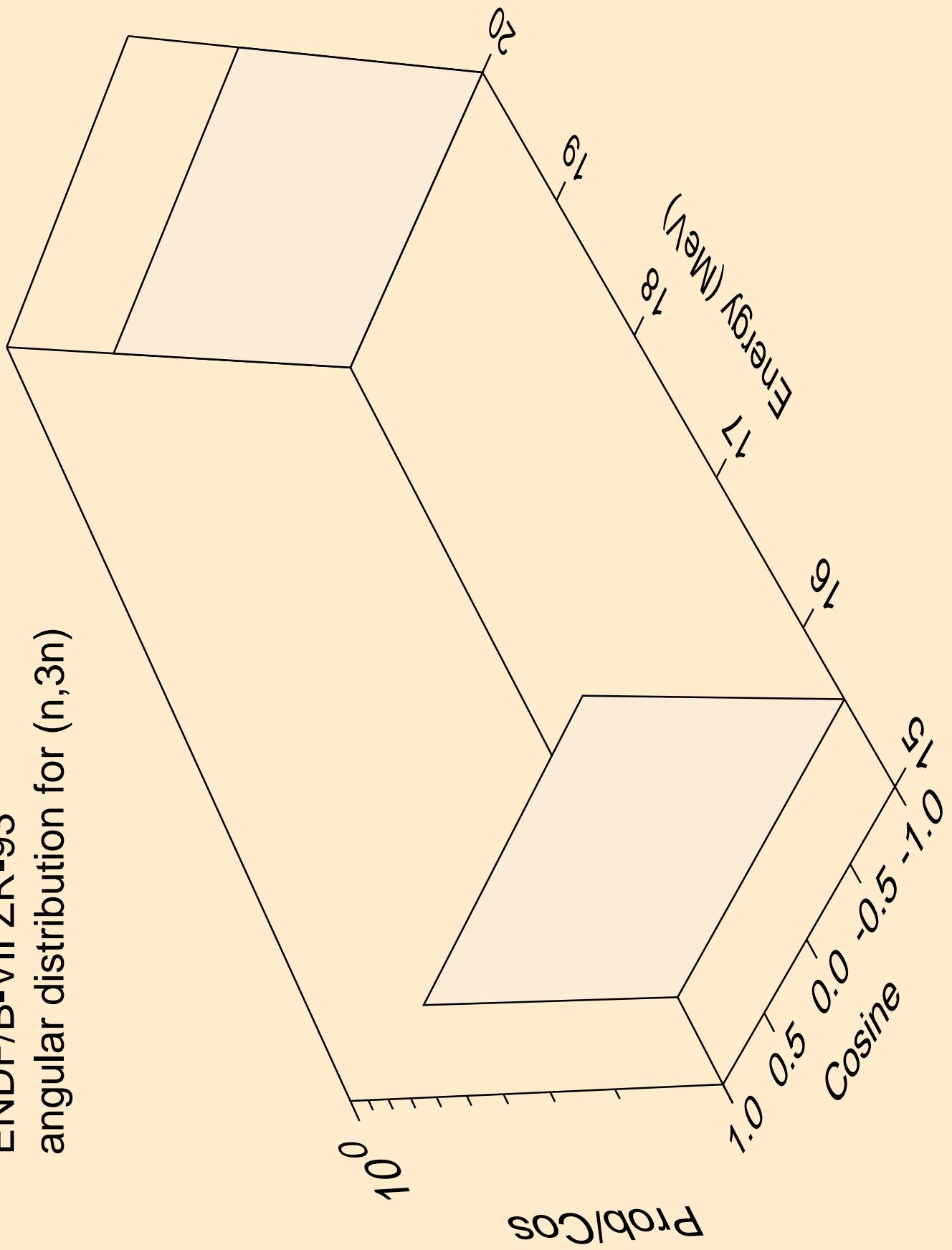
angular distribution for elastic



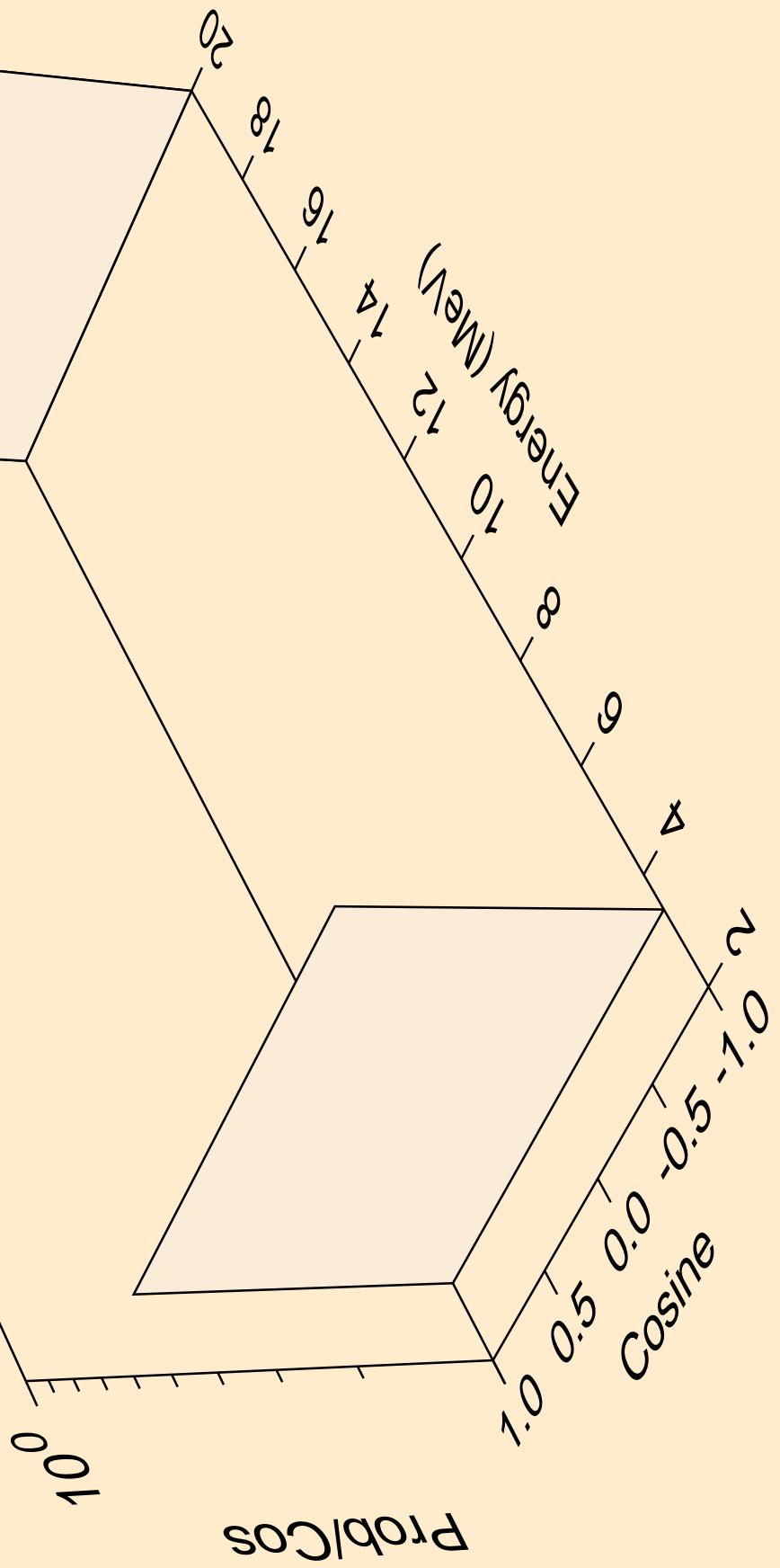
ENDF/B-VII ZR-93  
angular distribution for (n,2n)



ENDF/B-VII ZR-93  
angular distribution for (n,3n)

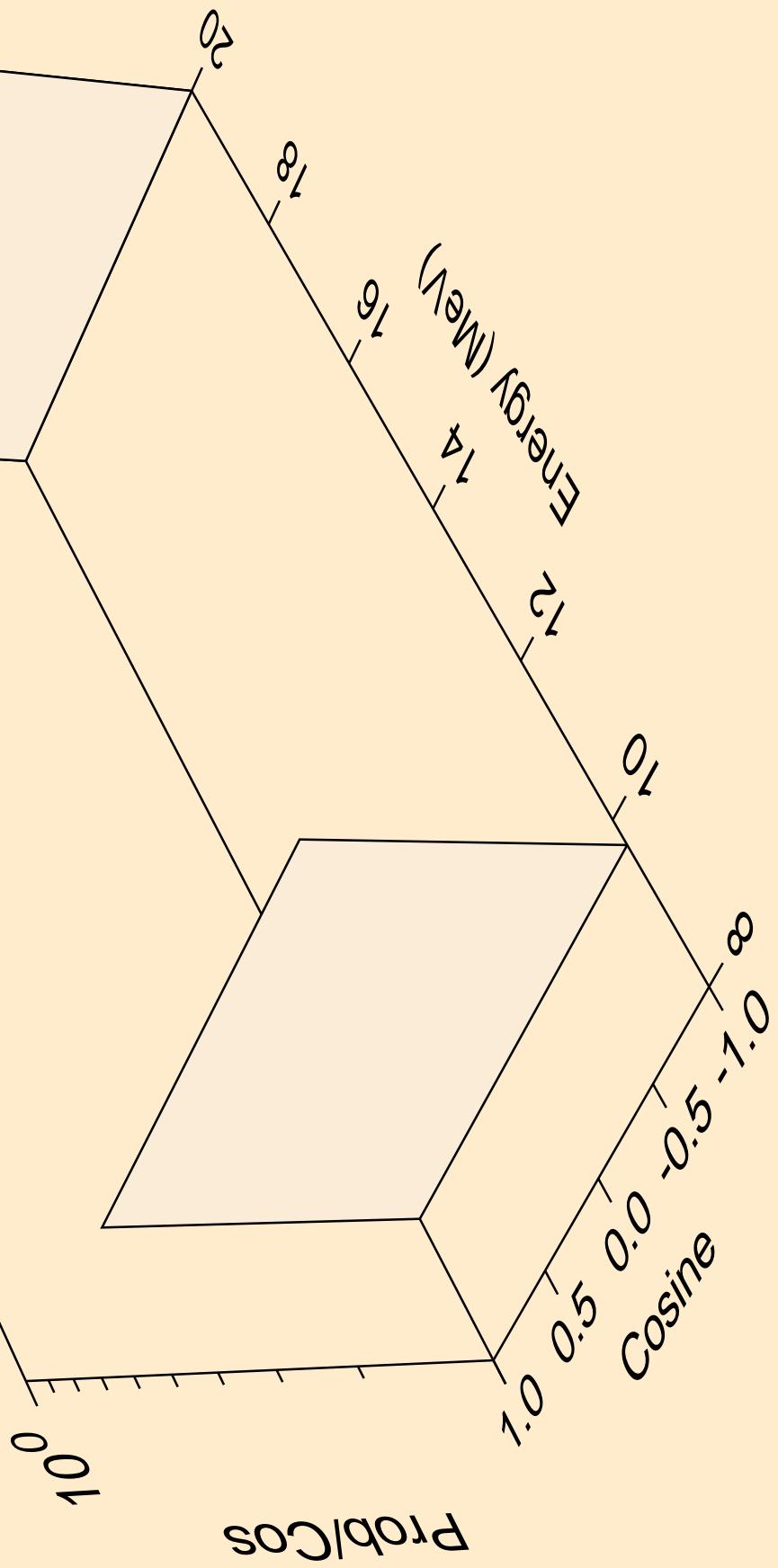


ENDF/B-VII ZR-93  
angular distribution for  $(n,n^*)\alpha$



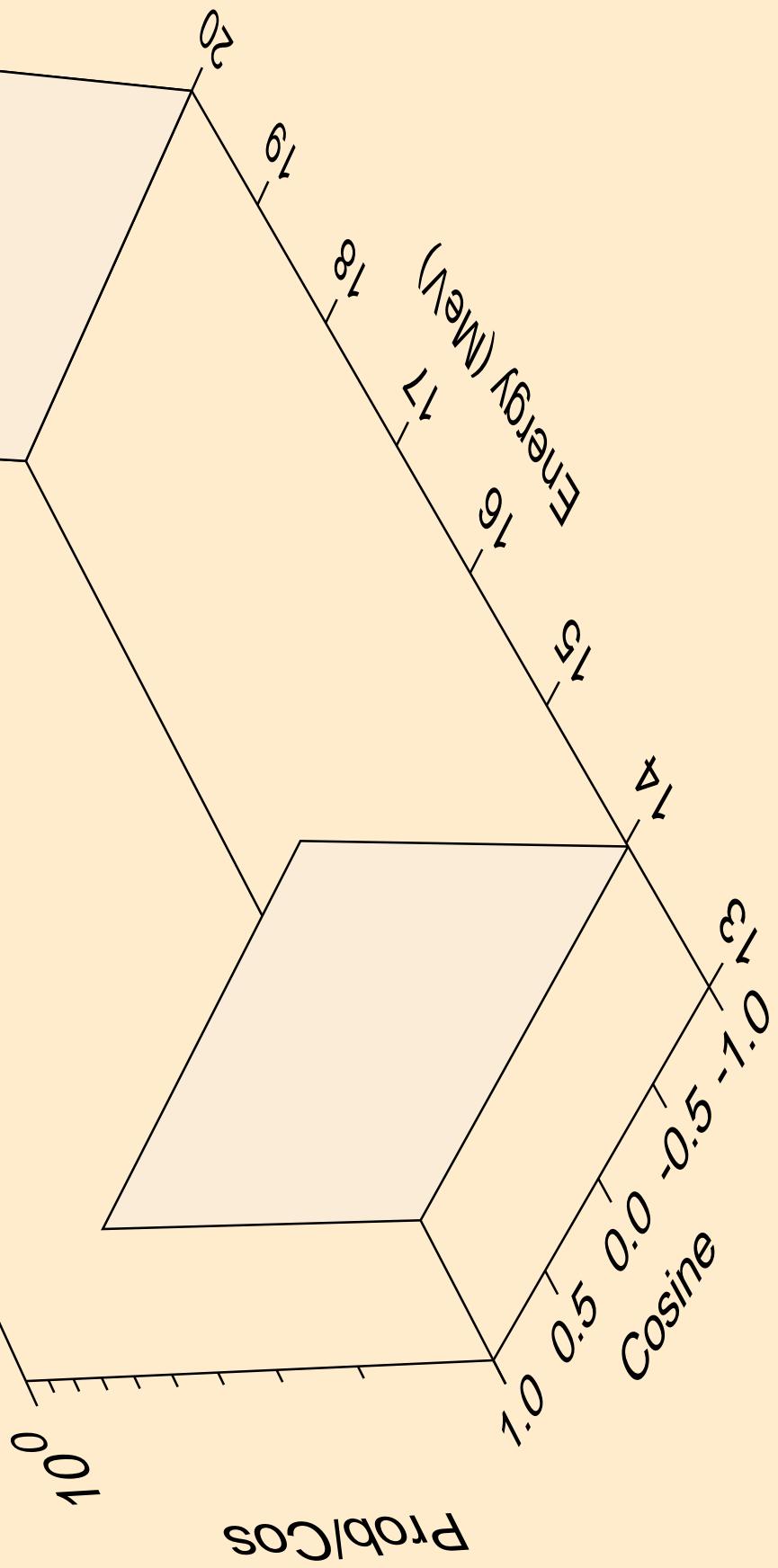
ENDF/B-VII ZR-93

angular distribution for  $(n,n^*)p$

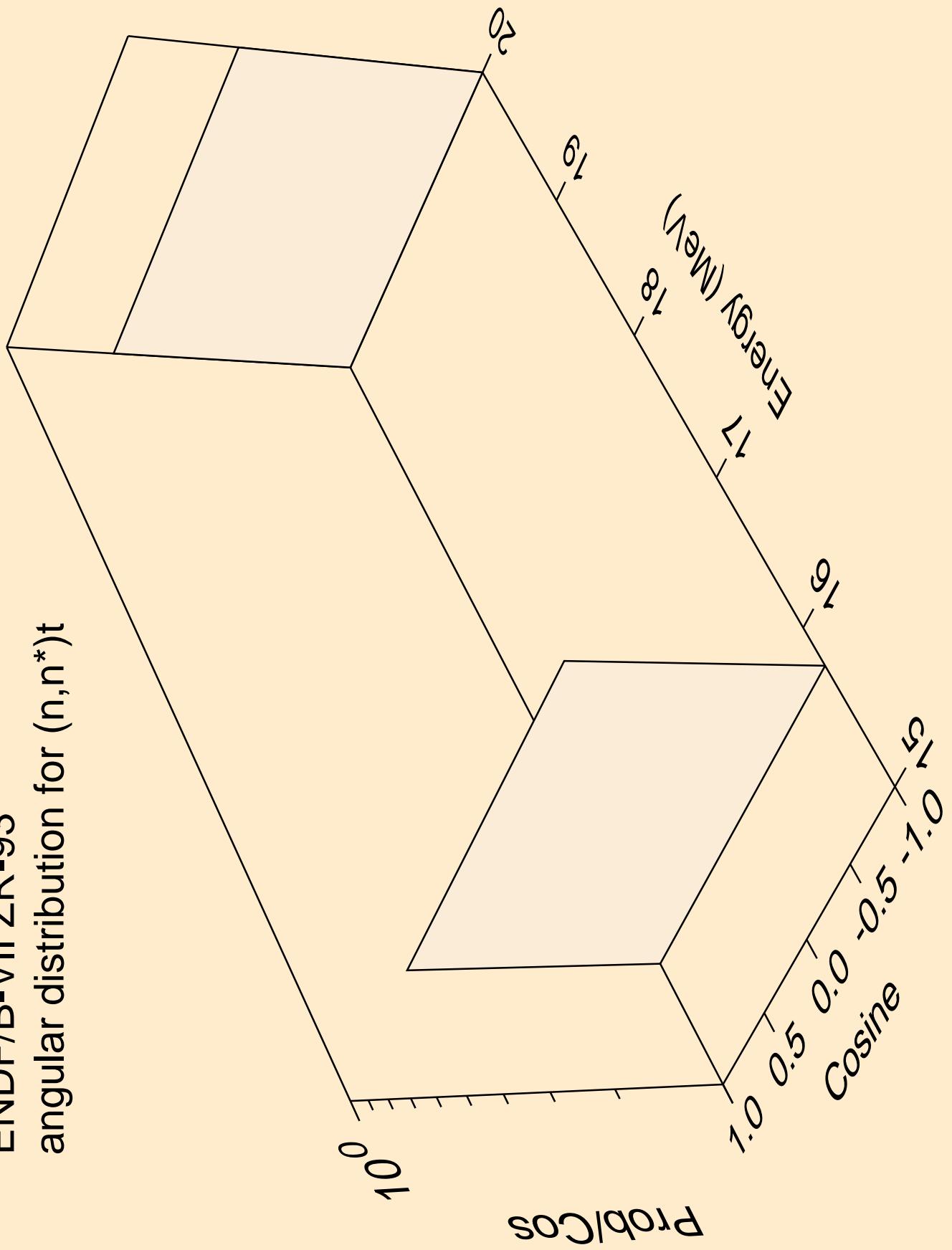


ENDF/B-VII ZR-93

angular distribution for  $(n,n^*)d$



ENDF/B-VII ZR-93  
angular distribution for  $(n,n^*)t$



ENDF/B-VII ZR-93

angular distribution for ( $n, n^* 1$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
8  
Energy (MeV)

6  
4  
2  
0

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII ZR-93

angular distribution for ( $n, n^* 2$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Δ

σ

Energ (MeV)

20

18

16

14

12

10

8

6

4

2

0

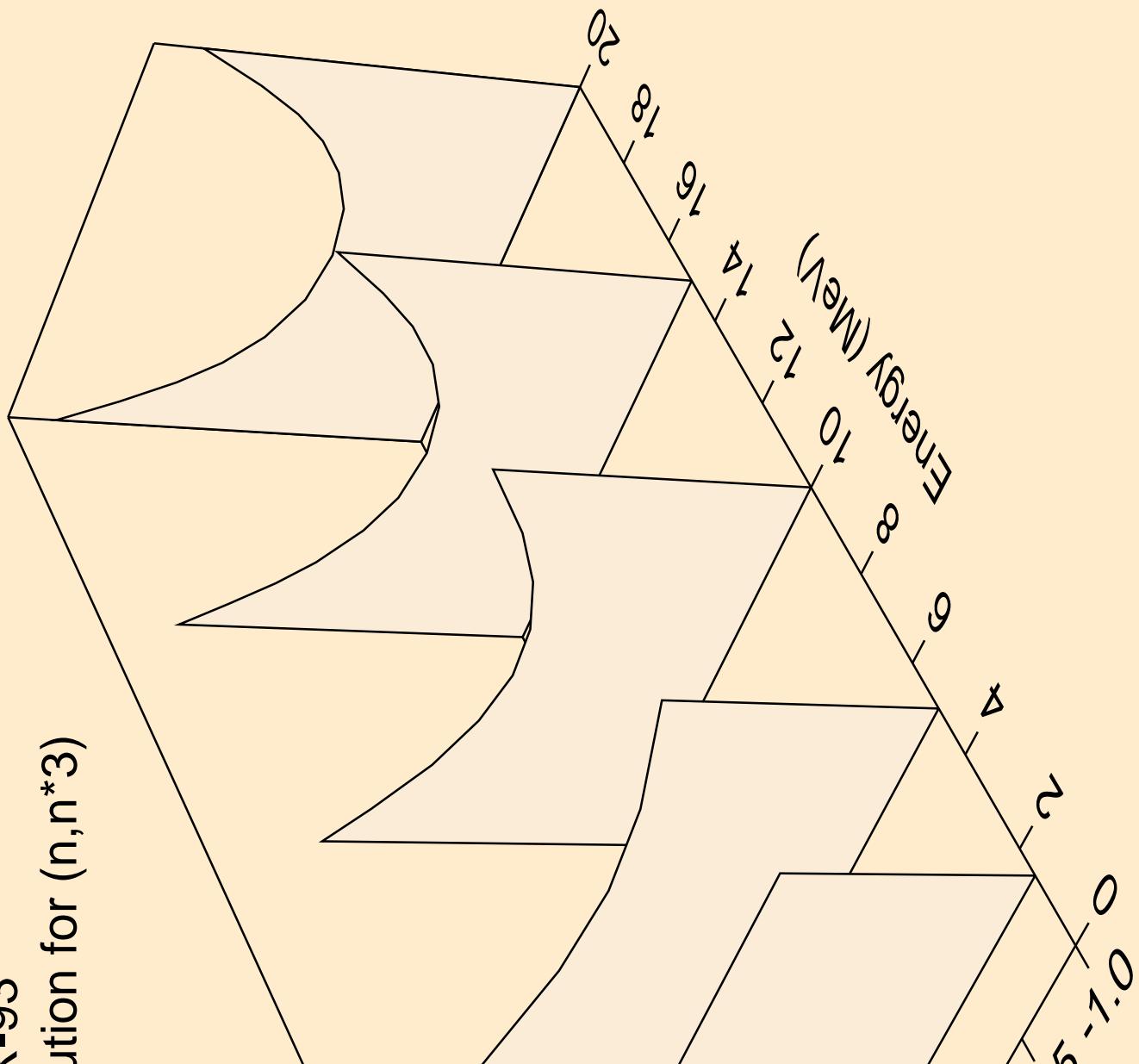
ENDF/B-VII ZR-93

angular distribution for ( $n, n^* 3$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



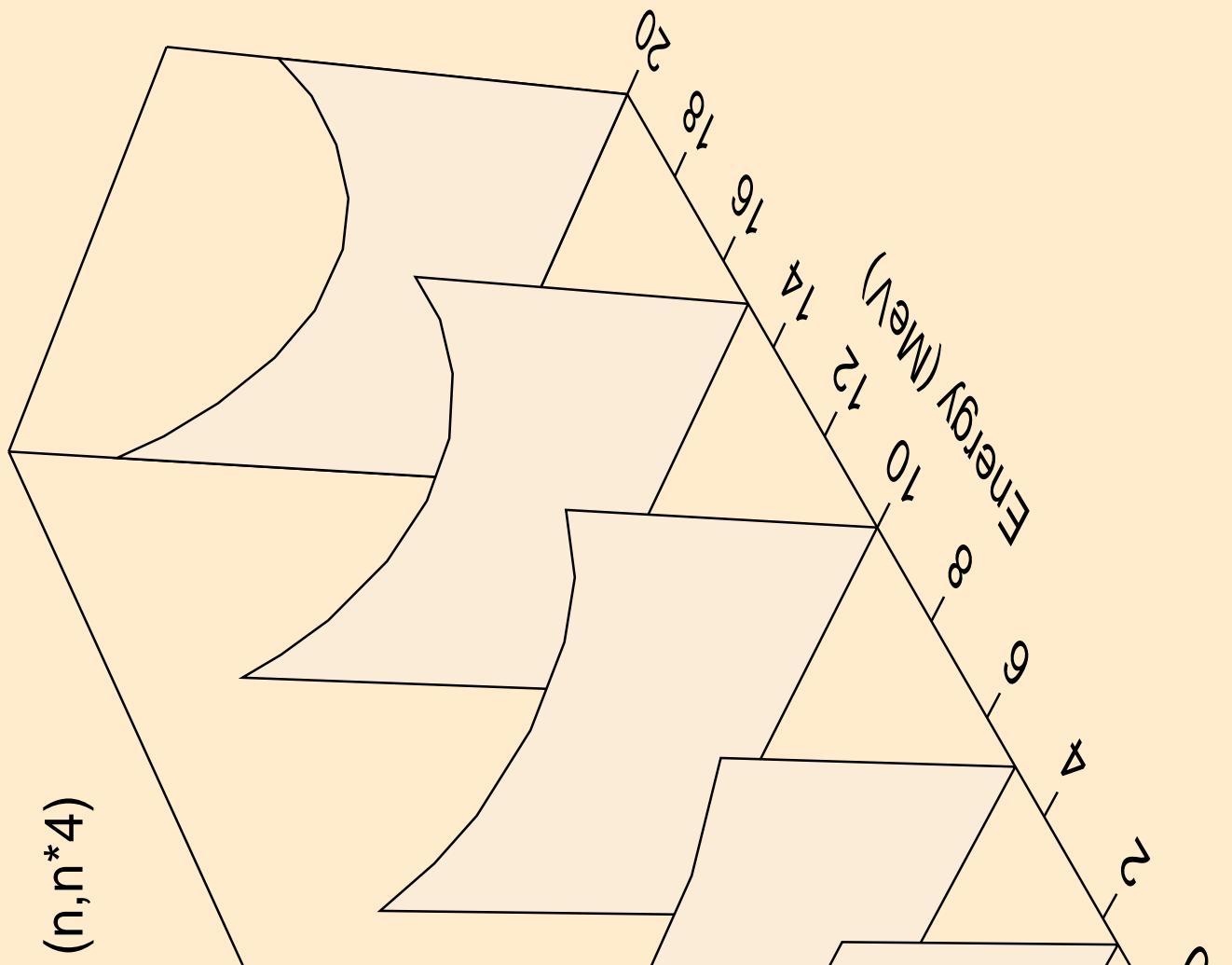
ENDF/B-VII ZR-93

angular distribution for ( $n, n^* 4$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



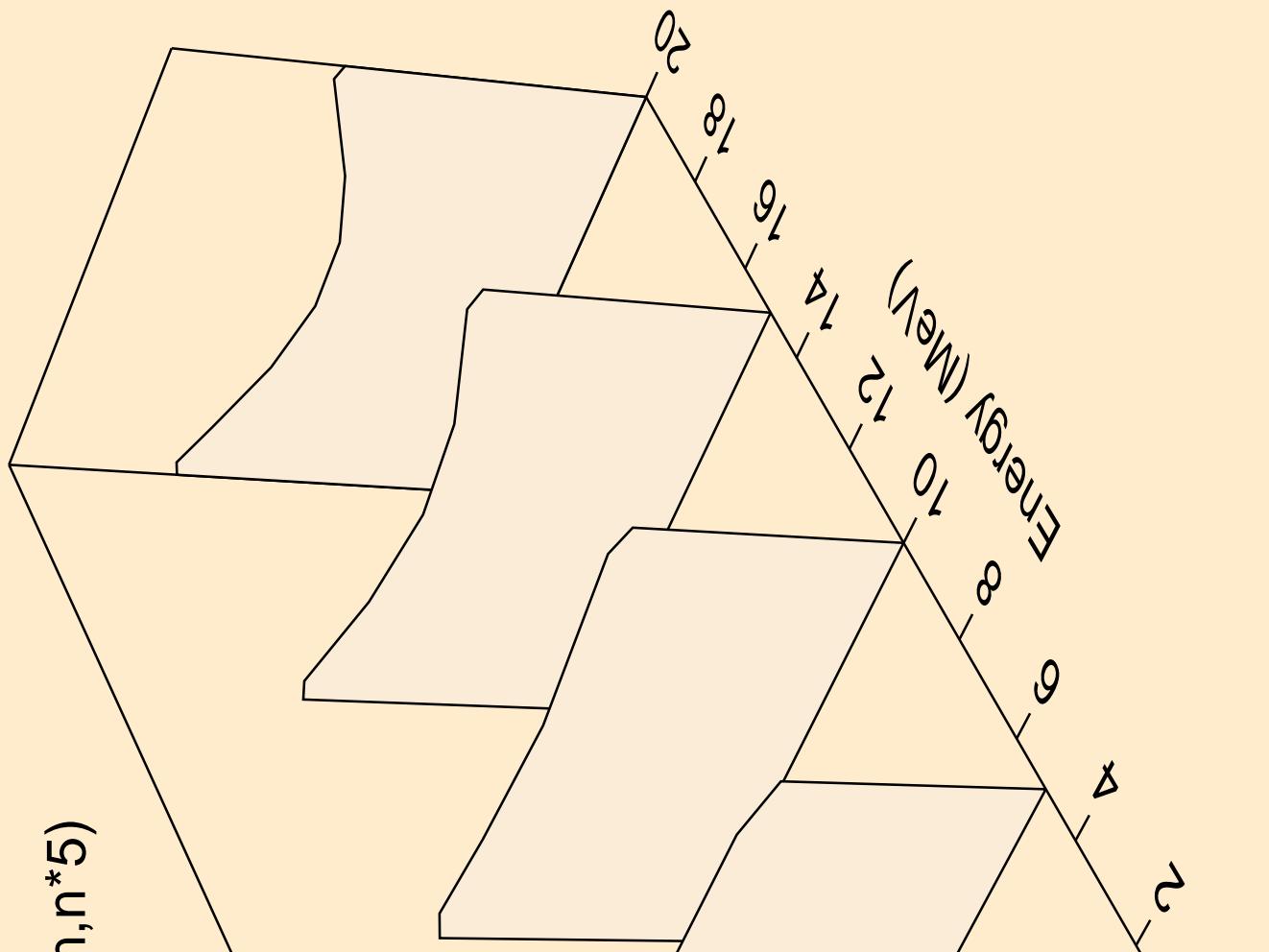
ENDF/B-VII ZR-93

angular distribution for ( $n,n^*5$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



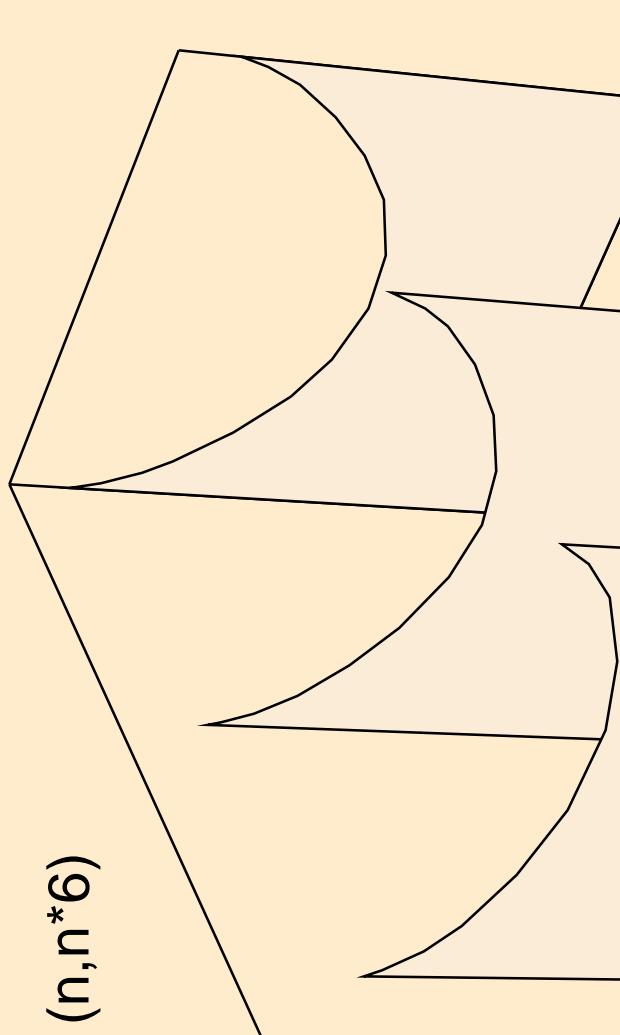
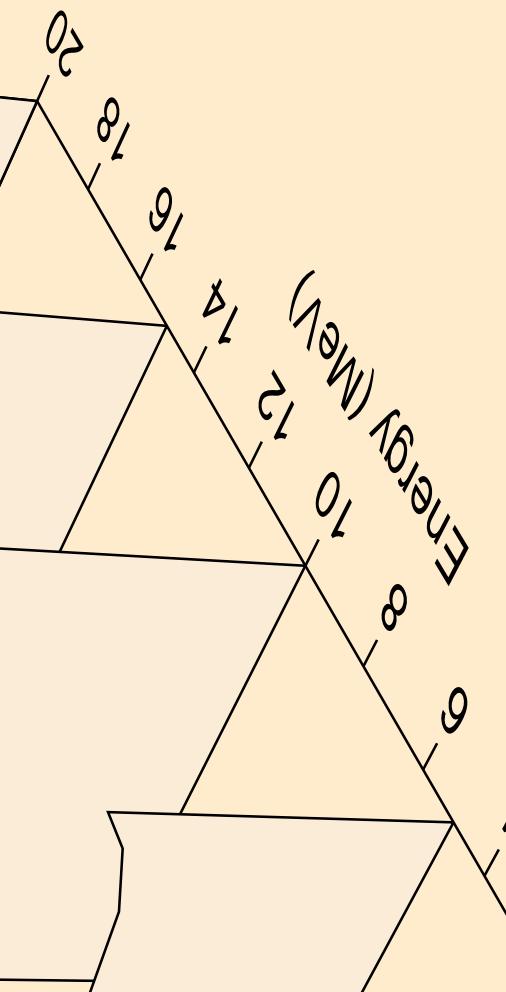
ENDF/B-VII ZR-93

angular distribution for  $(n, n^* \gamma)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



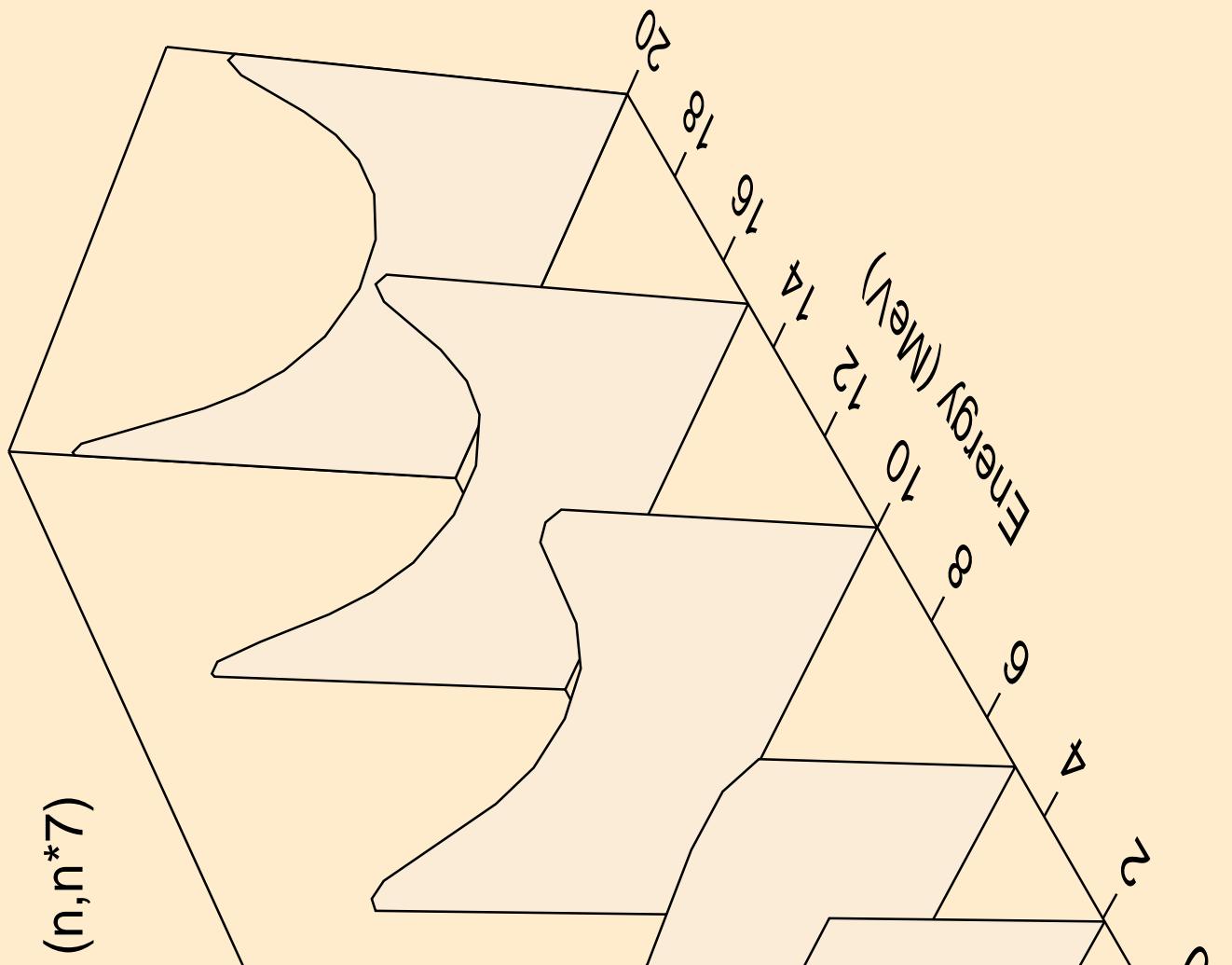
ENDF/B-VII ZR-93

angular distribution for ( $n, n^* 7$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



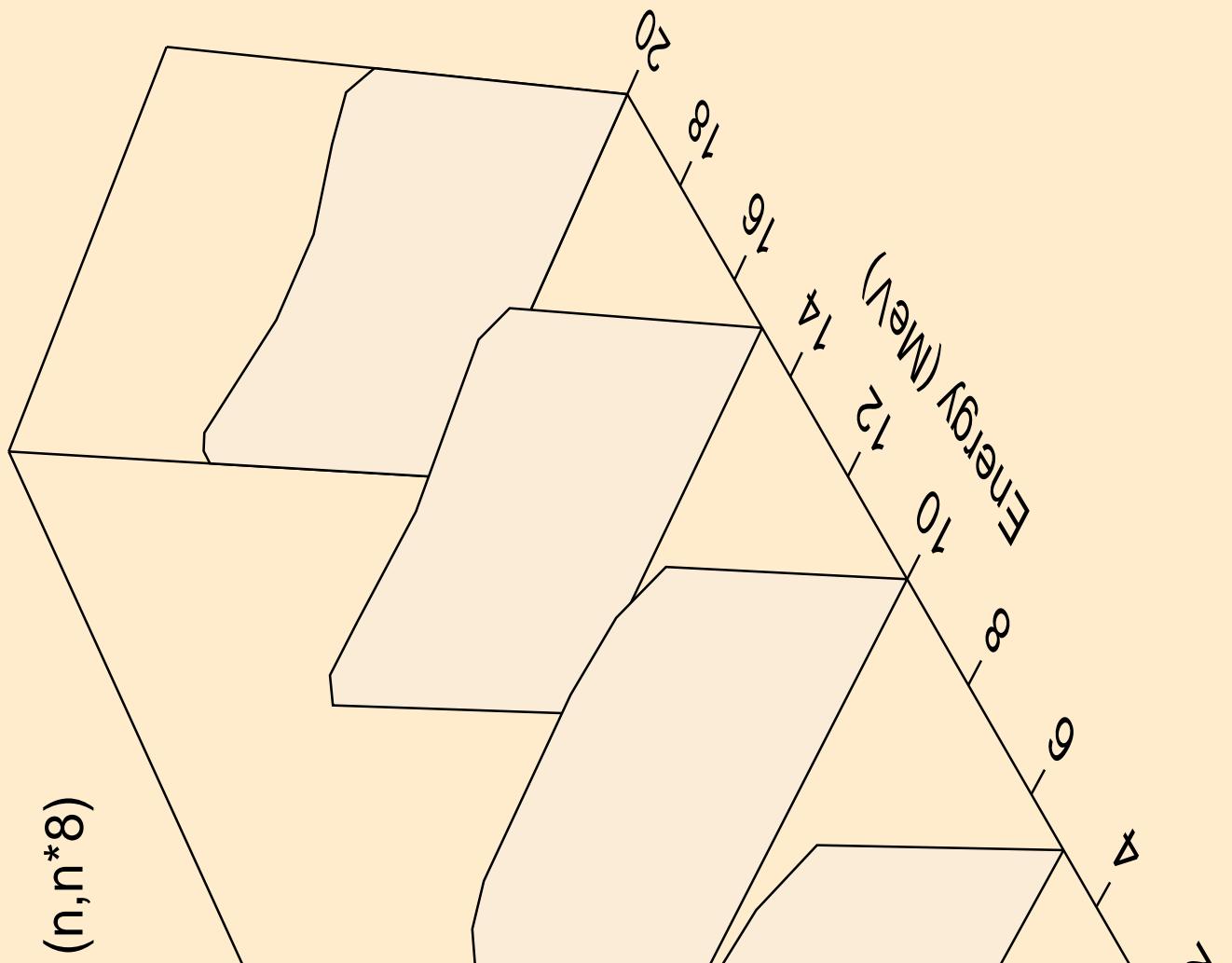
ENDF/B-VII ZR-93

angular distribution for (n,n\*8)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII ZR-93

angular distribution for (n,n\*9)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

ENDF/B-VII ZR-93

angular distribution for  $(n,n^*10)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20

18

16

14

12

10

8

6

4

2

0

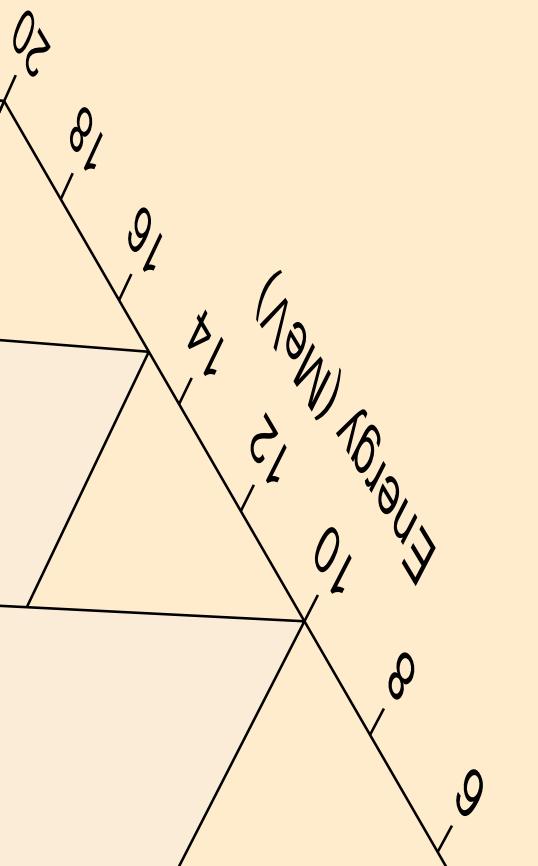
ENDF/B-VII ZR-93

angular distribution for  $(n, n^*c)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



Energy (MeV)  
10 8 6 4 2

20

18

16

14

12

10

8

6

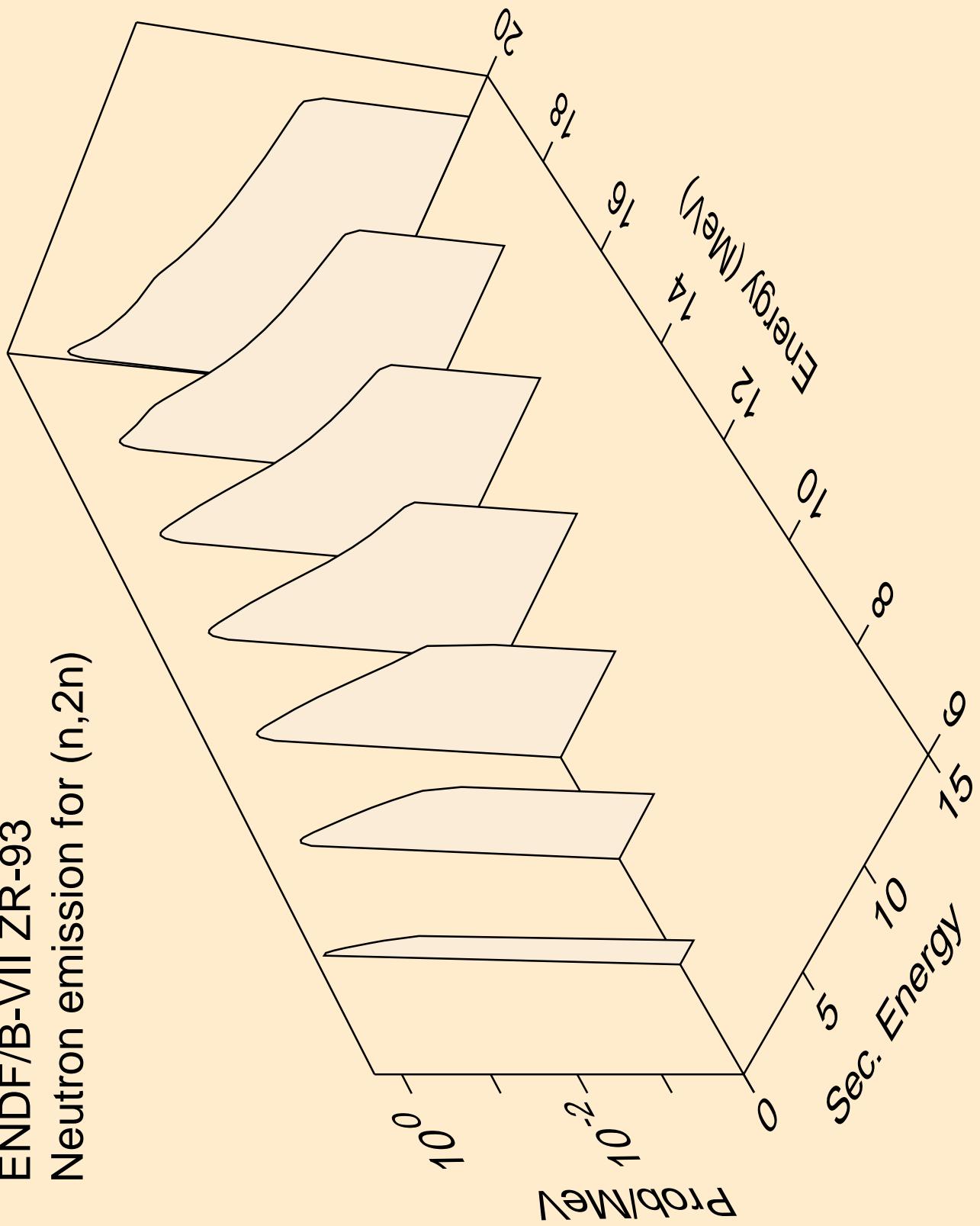
4

2

0

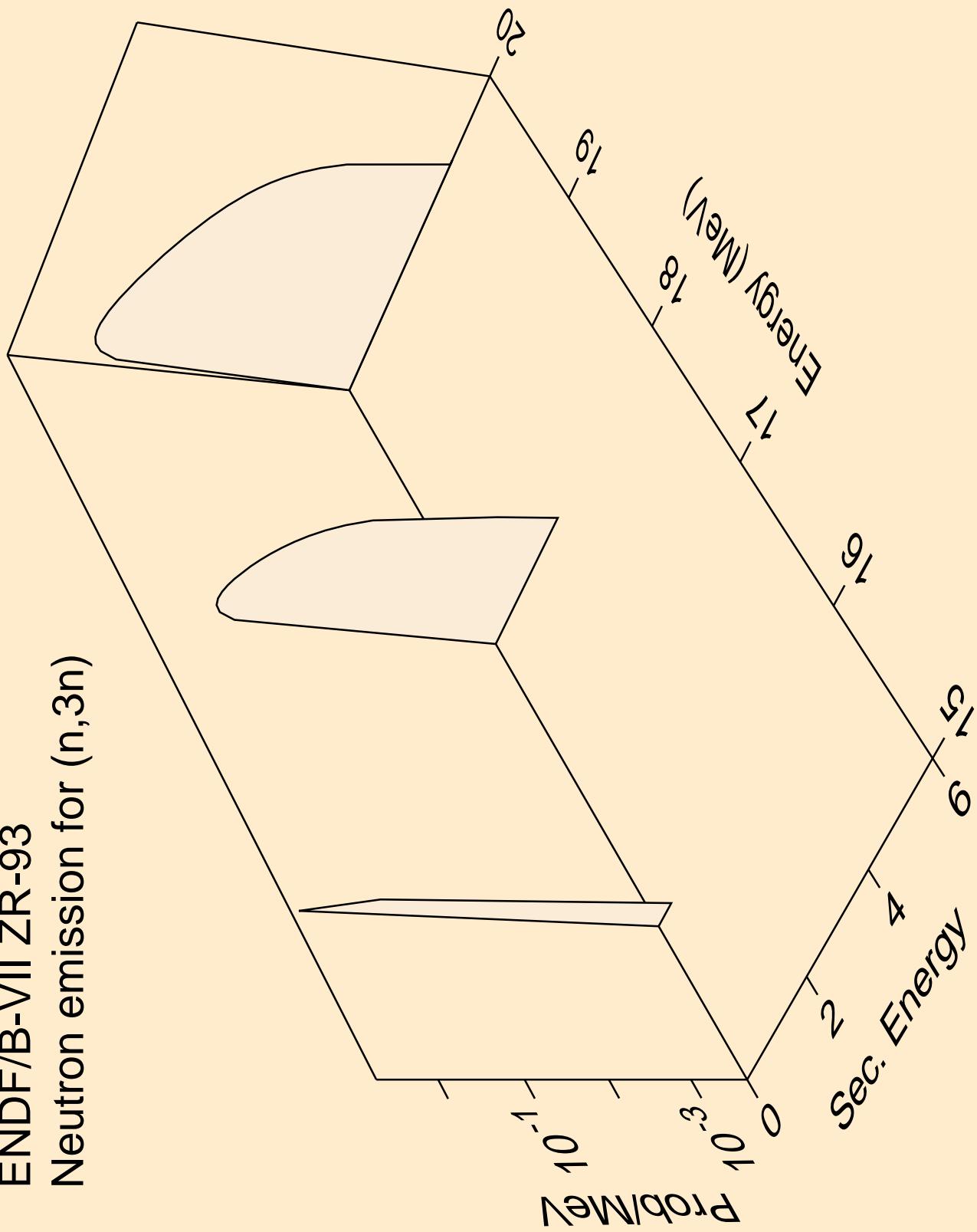
ENDF/B-VII ZR-93

Neutron emission for  $(n,2n)$



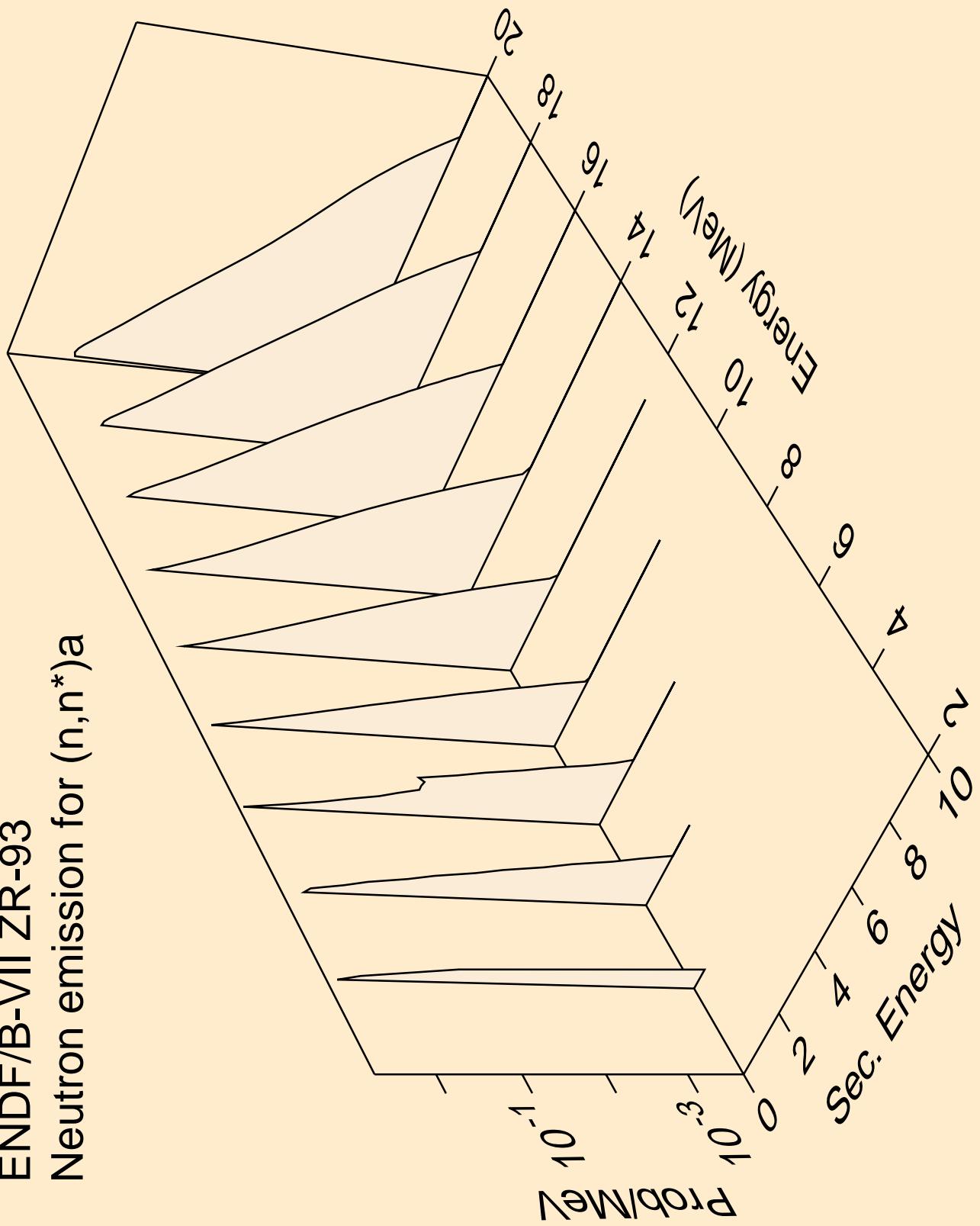
ENDF/B-VII ZR-93

Neutron emission for  $(n,3n)$



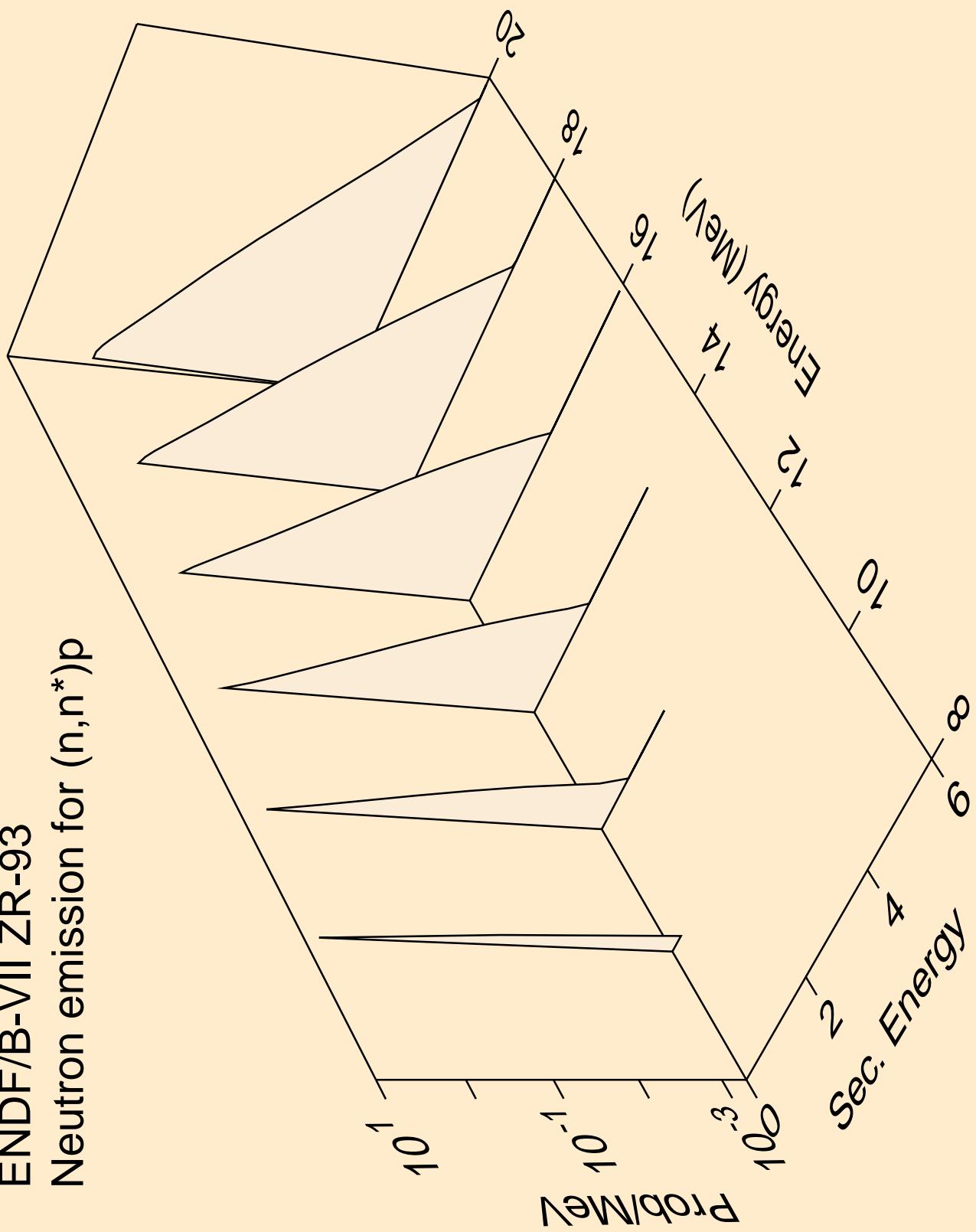
ENDF/B-VII ZR-93

Neutron emission for  $(n, n^*)\alpha$



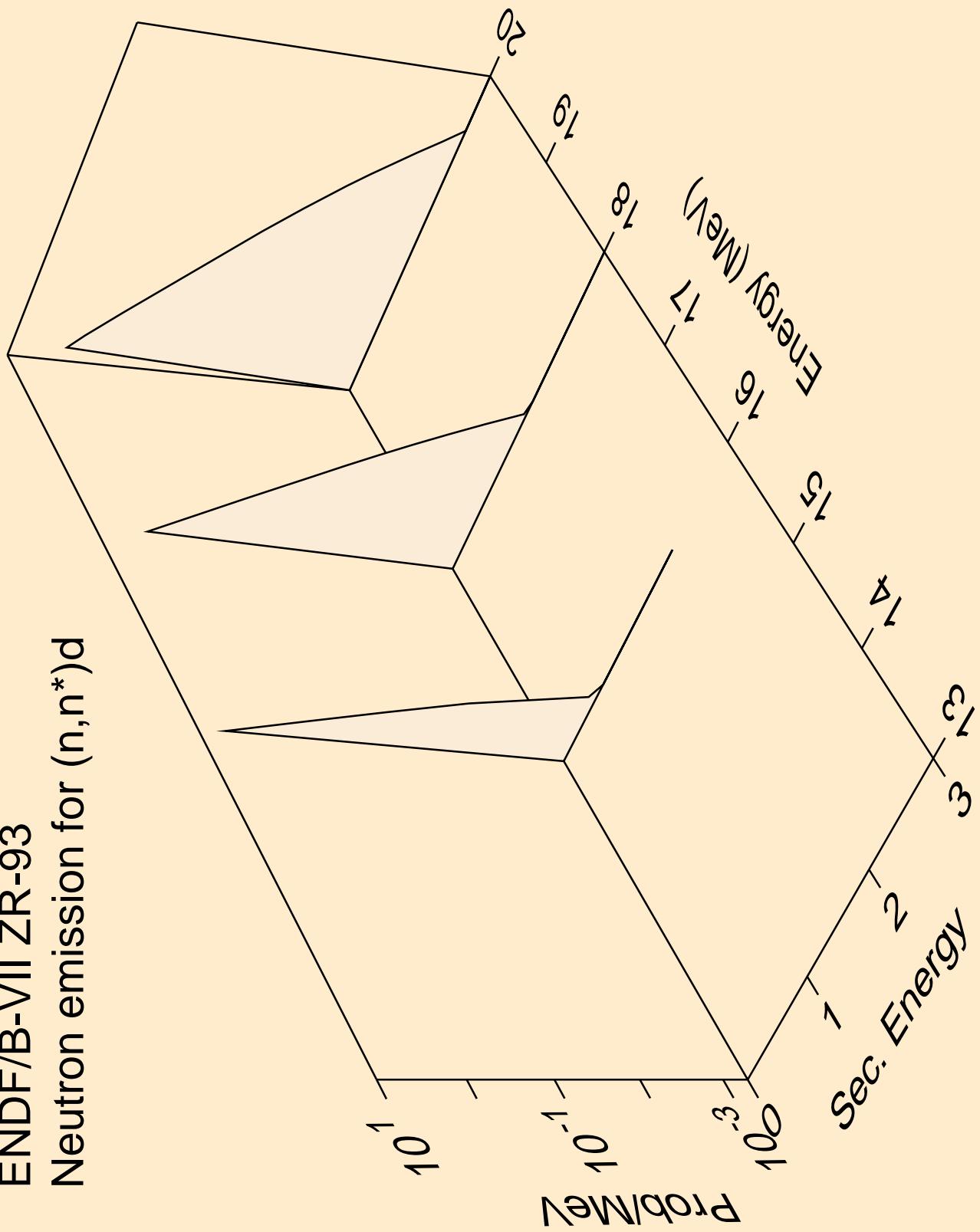
ENDF/B-VII ZR-93

Neutron emission for  $(n, n^*)p$



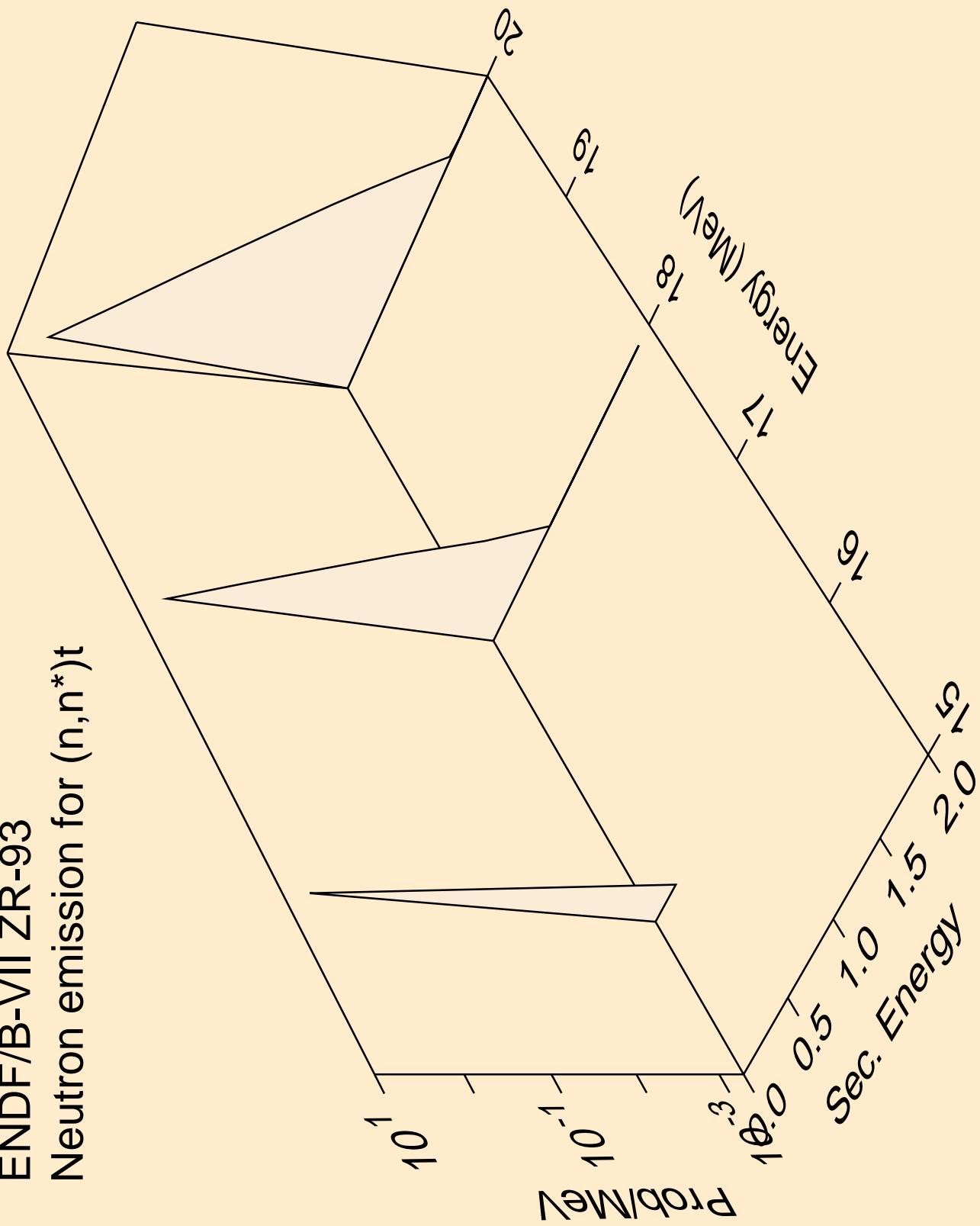
ENDF/B-VII ZR-93

Neutron emission for  $(n, n^*)d$



ENDF/B-VII ZR-93

Neutron emission for  $(n, n^*)t$



ENDF/B-VII ZR-93

Neutron emission for  $(n, n^* c)$

